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The Chemical Market Authority Since 1871

Volume 150 No. 23 December 2, 1946

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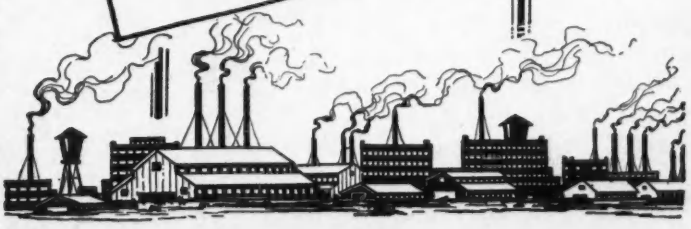

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Oil, Paint and Drug Reporter

Vol. 150 No. 23 New York 7, N. Y. December 2, 1946

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Tariff Bargaining Scope Outlined by ITAO

OPD Washington Bureau

For the information of the public—and those more intimately concerned—with reference to what commodities are likely to come under consideration when the Department of State gets to negotiating with about a score of other nations in a global scheme of unrestricting international trade, the Interdepartmental Trade Agreements Organization has prepared a "List of Products on which Possible Tariff Concessions by the Government of the United States will be considered in Reciprocal Trade Agreement Negotiations with Foreign Countries."

This list presents the commodities thus far selected as tokens in the tariff bargaining which will start early next year. (Supplementary lists may be issued. The commodities are listed according to two categories:—(1) The statistical classification used in the records of the Department of Commerce, and (2) the paragraphs of the tariff act of 1930. Not all commodities covered by a paragraph are included in the bargaintable statutory list. Those of interest in the OPD field are mainly in schedules 1 and 16 of the act, and the sections of the internal revenue code having to do with taxes on processing of oils.

The paragraphs of schedule 1 from which commodities for bargaining have been selected are the following:—

Schedule 1

1	26	49	71
2	27*	50	72
3	28*	51	73
4	29	52	75
5	30	53	76
6	31	54	77
7	33	56	78
8	34	57	79
10	35	58	80
11	36	60	81
12	37	61	82
13	38	62	83
14	39	64	84
15	40	65	89
16	41	66	92
18	42	67	93
20	43	68	96
23	46	69	97
24	48		

* The selectivity with respect to paragraphs 27 and 28 omits from consideration all dyes and numerous other coaltar chemicals. The

—*Continued on page* 45

Lead Chemicals Quota For December Increased

OPD Washington Bureau

The chemicals division of the Civilian Production Administration has authorized producers of lead chemicals to increase their production from secondary lead by 10 percent during December. The authorization was contained in Direction No. 1 to the lead chemical order, L-354.

In order to qualify for the increase, however, the producer had to apply by December 2 for permission to process the additional amount, and state in their applications the amount of secondary lead they were able to obtain for delivery during December, and the amount they would be able to use in the month in excess of their present quota.

Smith Vice-President Of Standard (New Jersey)

Chester F. Smith, a director of Standard Oil Company (New Jersey) and for more than thirty-five years associated with the company in manufacturing and engineering operations, has been named a vice-president. Since 1944, Mr. Smith has been chairman of Jersey Standard's coordination committee, a central study and advisory group for the managements of companies in the Jersey group.

From 1940 until his appointment as a director in 1944, Mr. Smith was president of Standard Oil Company of New Jersey, the principal refining and marketing subsidiary of the parent Company.

Sugar Rules Revised For Industrial Use

OPD Washington Bureau

Pharmaceutical manufacturers and other industrial users of sugar will make application for their quarterly allotments of sugar twenty days prior to the beginning of the allotment period, instead of fifteen days as has been the custom in the past, as a result of a change in the sugar rationing procedure to be put into effect December 6 by the Office of Price Administration.

The agency announces that, since its district offices are to be closed down and the allotment of sugar to industrial users must now be handled by the regional offices, the additional time will be necessary to process the applications to assure the users' getting their allotments before the beginning of the allotment period.

Antimony Import Controls Lifted

Removal of all restriction on imports of antimony, effective immediately, was announced by the Civilian Production Administration November 28. At the same time, OPA said that it was directing the Reconstruction Finance Corporation to discontinue public purchase of antimony from foreign sources except for commitments and arrangements already undertaken.

It is understood that the RFC foreign purchases will be limited to China and Bolivia. The RFC is expected to announce an agreement to purchase Bolivian antimony early next week.

Rapeseed Oil Sale Planned by D.ofA.

The Department of Agriculture has 860 long tons of rapeseed oil obtained from Argentina recently which it proposes to sell under competitive bids to the highest bidder. Offers must be submitted to the department, Washington 25, D. C., not later than December 10.

Fertilizer Producers Ask Probe Of Nitrogen Export Situation

OPD Washington Bureau

A reexamination of the entire nitrogen fertilizer situation, both here and abroad, with a view to modifying export commitments of this material in the light of conditions now besetting the industry, is being urged upon the government by the fertilizer producers.

Industry spokesmen report that the nitrogen situation has become "most confused" in the past several weeks and, in addition to the effects of the coal strike on production, there is reason to believe that the government's estimates of supplies are in error and fail to give farmers proper assurances of what they can expect for the growing season ahead.

A group led by Clifton A. Woodrum, president of the American Plant Food Council, conferred last week with officials of the Department of Agriculture on the situation, and the problem will be explored further at a meeting December 10 of the Fertilizer Industry Advisory Committee called by the Department.

According to Mr. Woodrum, the coal strike alone resulted in a loss of between 125,000 and 150,000 units of fertilizer nitrogen every day, raising the prospect of a shortage that might have serious effects on the plant food supply for the 1946-47 fertilizer year. He said that in the interests of the American farmers, as a shortage of nitrogen develops, the material earmarked for export should be cutback in the same proportion that domestic supplies are reduced.

But aside from this, the group from the council said that the government's production estimates appear to contain discrepancies that should be corrected. Mr. Woodrum said that the estimated nitrogen production program set up last summer by the department indicated that approximately the same amount of nitrogen would be available this year for fertilizer as in the previous year, but fertilizer manufacturers report it has been their experience that nitrogen is not available in the amount that the department anticipated.

One of the matters in particular that the producers are urging be cleared up is the mechanics of the government's program of borrowing nitrogen from the private producers

—*Continued on page* 38

Coconut Oil Sale Bids Sought by Government

OPD Washington Bureau

The Department of Agriculture is planning to seek bids soon for the sale of about 25,000,000 pounds of coconut oil to be manufactured into oleomargarin for overseas shipment. Due to the shortage of fats and oils the Department has been unable to meet all of its commitments for fats exports, and this transaction is intended to fulfill some of these contracts.

Under the arrangement, the oil will be offered only to margarin manufacturers who will enter into contracts to sell the oleomargarin back to the government, which in turn will ship it abroad.

Petroleum Council To Meet January 21

OPD Washington Bureau

The National Petroleum Council, set up several months ago by Secretary of the Interior J. A. Krug to advise him on matters concerning government oil policy, will meet in the Interior building January 21, Walter S. Hallanan, temporary chairman, has announced.

Mr. Hallanan also announced the members of a five-man committee to receive nominations from council members for the permanent posts of chairman and vice-chairman of the council. These are R. G. A. van der Woude, New York; W. H. Ferguson, Denver; B. L. Majewski, Chicago; Charles F. Roeser, Fort Worth; and Reese H. Taylor, Los Angeles.

Narcotics Report Rules To Be Simplified

OPD Washington Bureau

The Bureau of Narcotics is revising its regulations to relieve manufacturers, wholesalers, and exporters of about 60 percent of the paperwork now required in reporting to the bureau sales and transfers of narcotics. Notice of the change, together with the text of the proposed amended regulation, was issued November 26, and interested parties are given thirty days to comment thereon.

It is proposed by the bureau to adopt a short report form that will permit sellers to consolidate the reporting of sales to individual buyers. Details of these sales or transfers need be reported only for these eight classes of narcotics:—(1) Opium, its tinctures and extracts; (2) pantopon; (3) morphine and its sales; (4) dihydromorphinone and its sales; (5) dihydrocodeinone and its sales; (6) methyldihydromorphinone and its sales; (7) cocaine and its sales; and (8) isonipecaine and its salts.

Detailed reports no longer will be required for other narcotics, on which it will be necessary to report only the number of packages of the product sold or transferred.

Cinchona Alkaloids Use Controls Removed

OPD Washington Bureau

Controls over the distribution and use of totaquine, cinchonine and cinchonidine were suspended November 28 by the Civilian Production Administration. Increased availability of supplies of these cinchona alkaloids made possible removal of the controls, CPA said. Quinine and quinadine still remain in short supply and will continue under allocation by CPA.

OPD Price Index

The Oil, Paint and Drug Reporter's relative record of prices for chemicals and related materials is currently as follows:—

Nov. 27, 1946	Nov. 21, 1946	Nov. 29, 1945
150.3	**149.1**	**134.4**

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Upward the course of prices takes its way in the markets for chemicals, oils, and drugs. Last week it made its biggest advance in a month. Its progress was along a wide front. The effects of rush buying to avoid the possible consequences of the coal strike and the inevitable outcome of the price trend, put a heavy squeeze on already pinched supplies.

The influence of the higher prices for nonferrous metals, rare and common, was further at work. It affected chromium, copper, lead, nickel, tin, and zinc groups in the latter category along with bismuth salts. Actual scarcity and expected worse pushed up cresols and phenols, and the ammonia situation was a booster for coaltar amine chemicals.

Iodine and iodides were caught in the general upsurge. Caffeine was higher because scarcer. Labor troubles were bothering heavy alkalies and chlorine, and the latter had an effect on sal ammoniac and carbon tetrachloride. Nitrogenous fertilizer materials got still scarcer—and that made demand spurt. Higher prices on some inorganics are expected. Sulphur was upped because of production costs. Mechanical troubles of production were reflected again in organic and inorganic acetic acid compounds.

Waxes were raised, but the fats group made the only descending price record, in spite of another boost in castor and linseed oils. The cut was in oleo oil.

OPD Index Monthly Averages

	1946	1945	1941
January	135.3	133.0	107.8
February	135.4	133.2	110.3
March	135.2	132.7	111.9
April	134.9	132.2	115.5
May	135.1	132.5	118.2
June	135.4	132.5	121.9
July	137.7	133.5	125.5
August	136.6	133.9	128.2
September	137.0	134.0	130.4
October	143.1	133.5	133.2
November	140.2	134.0	135.1

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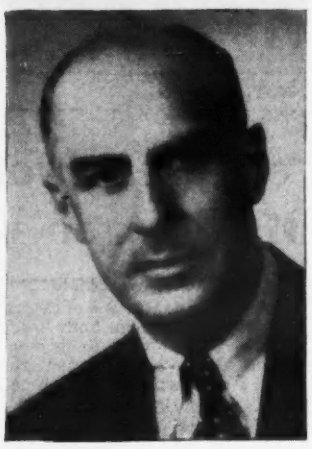
Velsicol President



F. P. Schneider has been elected president and general manager of the Velsicol Corporation, Chicago, succeeding Julius Hyman, who recently resigned. Mr. Schneider has been secretary and treasurer of the company since its founding in 1931.

Carbon Tetrachloride Price Raised by Dow

A new price schedule on technical carbon tetrachloride has been issued by the Dow Chemical Company with reference to the material in drums and tankcars. The new schedule, which represents an advance of about ½ cent per pound, becomes effective on spot business December 2 and will apply to contracts from the beginning of the next quarter, January 2.

The pricing of tetrechloride has been returned to the pound basis in the new Dow schedule. The drum quotations apply to 700-pound containers, drums inclusive. The new prices are, per pound:—

Zone 1—Drums, carlots, 6 cents, less carlots, 6½ cents; tankcars, 5½ cents; f.o.b. stockpoint, freight allowed.

Zone 2—Drums, carlots, 6½ cents, less carlots, 7 cents; tankcars, 6 cents; f.o.b. stockpoint, freight allowed.

Zone 3—Drums, carlots, 7 cents, less carlots, 7½ cents; tankcars, 6½ cents; f.o.b. stockpoint, freight allowed.

Zone 4—Drums, carlots, 6½ cents, less carlots, 7 cents; tankcars, 6 cents; f.o.b. Los Angeles, Portland, Salt Lake City, San Francisco, Seattle; freight allowed.

Muriatic Acid, Aqua Ammonia Prices Revised

The Pennsylvania Salt Manufacturing Company, Philadelphia, has announced new price schedules, effective immediately, for aqua ammonia and muriatic acid.

The 26-degree USP grade aqua ammonia, in drums, is quoted at $3.25 per 100 pounds in carload lots and $3.50 for smaller lots. Both prices are f.o.b. seller's works, Wyandotte, Mich.

Commercial grade muriatic acid, in tankcars, is quoted at $18 per ton for 18 degree; $20 for 20 degree, and $22 for 22 degree. Prices are f.o.b. seller's Works, Wyandotte, Mich, and Natrona, Pa.

Microcrystalline Wax Advanced by Bareco

Microcrystalline wax prices will be advanced by Bareco Oil Company, Tulsa, Okla., effective January 1. Prices f.o.b. Barnsdall, Okla., will be:—170-175 m.p., black, 14.5c. per pound; 170-175 m.p., amber, 16c.; 170-175 m.p., white, 27c.; 190-195 m.p., black, 16.5c.; 190-195 m.p., amber, 18c.; 190-195 m.p., white, 31c. Quantity discounts will be graduated from ¼c. per pound for 5,000 pounds to 2c. per pound for 300,000 pounds.

Vanillin Increased By General Drug

General Drug Company, New York, has announced that, effective January 1, 1947, the selling price of its vanillin will be advanced to $3 per pound in twenty-five pound containers and $3.05 per pound in five-pound containers, packing and delivery included.

Sales Tax Barred On Export Goods

OPD Washington Bureau

The Supreme Court of the United States last week ruled that a sales tax cannot be levied against a product sold for export. Its decision upheld the claim of the Richfield Oil Corporation that the State of California could not attempt to collect a sales tax for oil which was sold for export to New Zealand.

WAA Offers Surplus Goods and Equipment

Approximately 6,000,000 pounds of oily dinitrotoluene, packed in barrels and fibre drums, is offered as surplus material by the War Assets Administration. The material passes the ordnance specification of 65.5° C. minimum melting point. Bids will be received at the regional offices which have inventories of the DNT as follows:—Chicago, 4,874,000 pounds; Kansas City, 721,875 pounds; Louisville, 101,825 pounds; Richmond, 530,000 pounds.

The Philadelphia regional office is running sales up to December 19 on five lots of drugs, including chloroform and castor oil, representing an aggregate cost of $878,450. Details may be got at 437 Chestnut street, room 517.

The Philadelphia regional office is offering at fixed prices to priority and commercial buyers a limited number of storage and processing tanks, industrial heat-exchangers, 10-gallon emulsifiers, and grinding and charging machines. Inquiries will be handled up to December 4 at 437 Chestnut street, room 809.

On the first floor at this address, the regional office is having a sale covering 36,618 freon cylinders. The same office is handling the sale of a lot of nitrogen cylinders (2,000 pounds pressure) stored at New Cumberland, Pa.

Among other items offered for surplus disposal by various agencies are the following:—

Asphalt, plant or penetration, 1,004,574 gallons, and rapid-curing cutback, 41,250 gallons (WAA, New York, list V-Miscl.-PA-SB-6, lot 1; December 6); plant or penetration, 54,264 drums and 44,880 gallons, and washout solution, 3,109 gallons (same office and listing, lot 2; December 6).

Bleaching powder, grade II, 8,000 pounds (WAA, Seattle, list E-158, item 142672 1-1; December 9).

Calcium carbide, 4,300 pounds (WAA, Seattle, list E-158, items 145707 1-1 and 2-2; December 9).

Calcium hypochlorite, 70%, 1,855,977

—Continued on page 45

National Lead Promotes Martino and Garesche

The National Lead Company, New York, has elected J. A. Martino executive vice-president and C. F. Garesche a vice-president. Mr. Martino, who has been with the company thirty years, was named a vice-president last April, at which time he was comptroller of the comuany. He is also a director and member of the executive committee.

Mr. Garesche is head of the Titanium Pigment division of the company, and also is a member of the executive committee and a director. He observed his twenty-fifth anniversary with the firm last April.

Tricresyl Phosphate Price Schedule Revised

The Celanese Chemical Company, New York, has issued a new schedule, effective December 1, on tricresyl phosphate. The coaltar base material is quoted at 32 cents per pound for tankcars or tankwagons; 33 cents for carlots and 33½ cents for smaller lots in drums. Petroleum base tricresyl phosphate is 4 cents per pound higher than the above prices in each case. Prices are f.o.b. plant, Newark, N. J., freight prepaid.

OIT Lifts Control On Fifty Items

Removal of more than fifty items from the list of commodities under export control was announced on November 29 by the Office of International Trade, effective immediately.

Among the items removed were the following: — cinnamon, and cassia; gum benzoin, batu, congo, copal, dammar, elemi, gamboge, Manila, mastic, pontinank, and sandarac; gums and resins, refined or modified and in crude form; ipecac root; nux vomica; cohune nuts and kernels; perilla seed; inedible perilla oil; candelilla, carnauba, and ouricuri waxes; vegetable tallow and other wax; cocoa expeller, cake or press-cake; benzoic acid, technical and medicinal grades; tartaric acid; citric acid; argols; Florida phosphate rock, other than high-grade hard rock and land pebble rock, and other phosphate material, except bone ash, dust and meal.

American Potash Plans Production Expansion

Entrance of the American Potash & Chemical Corporation, New York, into the finished chemicals field was indicated at the annual meeting held November 26.

B. R. Armour, chairman of the board, revealed that the company would in the future further process some of the basic chemicals it now produces, citing as an example plans to market potassium bromide, instead of the raw material, bromine, which the company now sells.

The broadening of the company's field will come as part of a large-scale expansion program scheduled for its Trona, Calif., plant which includes a $4,500,000 plant addition for the production of scarce soda ash and borax, a $2,000,000 power plant expansion and a $300,000 research and chemical engineering facility.

Drugs Inventory Control Lifted

Thirty-one consumer products and classes of products, including drugs and drug sundries and toiletries, have been freed from retailers' and wholesalers' compulsory inventory control by the Civilian Production Administration.

Market Reports

Antimony—Removal of all restrictions on imports of antimony, effective immediately, was announced by the CPA on November 29. At the same time, CPA said that it was directing the Reconstruction Finance Corporation to discontinue public purchase of antimony from foreign sources except for commitments and arrangements already undertaken.

Cottonseed oil, refined, bleachable prime summer, yellow, sales and closing prices in tankcars on the N. Y. Produce Exchange for the week ended Friday, November 29, were:—

	Sales	Cents per pound High	Low	Close
December	..	..	..	27 bid
January	..	..	..	27 bid
March	..	..	..	26 bid
May	..	..	..	26¼@27
July	..	..	..	24¾@25½
September	..	..	..	21½@23
October	..	..	..	19 @21
November	..	..	..	21 ask

Total sales, 4 contracts.

Crude oil was 27c. bid, tankcars, f.o.b. mills throughout the cotton belt.

Switches—1 July to 1 September at 350 points; 1 July to 1 October at 500 points. Crude oil was steady at 27c. per pound, f.o.b. mills in all sections of the South.

Rosin market for the past week at Savannah was as follows:—

	Price per unit Low of range quoted Mon.	Tues.	Wed.	Thurs.	Fri.
B	$6.80	$6.80	$6.80	$6.80	$6.80
D	7.00	7.00	7.00	7.00	7.00
E	7.35	7.35	7.35	7.35	7.35
F	7.85	7.85	7.85	7.85	7.85
G	7.85	7.85	7.85	7.85	7.85
H	7.85	7.85	7.85	7.88	7.88
I	7.85	7.85	7.85	7.88	7.88
K	7.85	7.85	7.85	7.88	7.88
M	7.85	7.85	7.85	7.88	7.88
N	7.85	7.85	7.85	7.88	7.88
WG	7.85	7.85	7.85	7.88	7.88
WW	7.88	7.88	7.88	7.88	8.00
	Drums				
Sales	24	...	18	...	100
Receipts	66	545	679	...	73
Shipments	..	..	..	...	..
Stocks	14,762	15,307	15,986	...	16,059

Turpentine market for the past week at Savannah was as follows:—

	Bulk gallons Sales	Barrels Receipts.	Shipments.	On hand.
Monday	$1.40¼ 12,350	76	1	2,503
Tuesday	1.40¼ ...	72	180	2,395
Wednesday	1.31¼ 18,600	61	109	2,347
Thursday	1.31½ 18,600	61	109	2,347
Friday	1.28 1,490	241	70	2,518

Oil, Paint and Drug Reporter, Vol. 150, No. 23, December 2, 1946. Published every Monday by Schnell Publishing Company, Inc., 59 John St., New York 7, N. Y., U. S. A. Subscription price:—United States and possessions, Cuba, Mexico, Central America, and South America, $5 a year; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter, January 15, 1884, at the New York Post Office, under the act of March 3, 1879. Copyright, 1946, by Schnell Publishing Company, Inc.

Penicillin Labeling Rules Amended

OPD Washington Bureau

Manufacturers of penicillin have been authorized by the Food and Drug Administration to label and sell crystalline penicillin as penicillin G when the product contains at least 90 percent of sodium salt or potassium salt of penicillin G, under an amendment to its regulations issued November 28 to become effective in sixty days.

The new regulations also placed a limit of 30 percent on the amount of K penicillin that may be contained in crystalline penicillin other than in crystalline penicillin G. This is the first time that a maximum has been established on this type of penicillin, but it is sufficiently high to cause no undue burden to producers, officials said. The average amount of K now contained in crystalline penicillin is understood to run slightly less than 10 percent.

Packaging of penicillin G to fix the size of containers at 100,000 units, 200,000 units, 500.000 units, 1.000,000 units and 5,000,000 units when for general therapeutic use is also provided for. Smaller size containers are to be allowed only in the case of penicillin G for dental use, in which case the packages are to contain 10,000 units or 20,000 units and labelled solely for dental use.

The potency period of all penicillin products other than crystalline penicillin is fixed at eighteen months in the regulation and must be shown on the label. The potency period for crystalline penicillin is thirty-six months.

Caustic Soda Supply For 1947 Studied

OPD Washington Bureau

Another attempt has been made by the Alkali Industry Advisory Committee to formulate a voluntary plan for supplying a group of southeastern industries in 1947 with caustic soda which they have not been able to contract for, the Civilian Production Administration said last week.

The committee will have a third meeting with CPA December 4 in a final effort to keep these industries, chiefly textile mills, from closing down or limiting their finishing processes next year because of lack of caustic soda.

Government Presiding Officer Frederic Arden told the committee that about twenty concerns in the Carolinas and Georgia had been unable to place orders for their 1947 caustic soda supplies with their customary suppliers. He estimated their requirements at 15,000 tons. A few other cases where concerns cannot place orders for 1947 have been reported from other parts of the country.

Two suppliers told the committee they were withdrawing from this business partly because it is uneconomic and partly because they need their production to make their own end-products.

Other producers objected to being forced to supply caustic soda to customers of the two firms withdrawing from the business. Representatives of these other producers said their firms would be able to supply "orphaned" industries only by reducing shipments to their own customers, who have already been limited in many cases because of the short overall supply of caustic soda.

A suggestion by Mr. Arden that the two producers who have withdrawn from the southeastern area be directed by CPA to ship the orphaned industries in 1947 some percentage of the quantity of caustic soda they shipped or had contracted to ship in 1946, was vigorously protested by the producers who would be affected by such a

Tilden Co. Elects Closs Vice-President

At its annual meeting November 29, The Tilden Company, pharmaceutical manufacturer since 1824, New Lebanon, N. Y., elected Dr. John O'Neill Closs as vice-president in charge of production. Charles C. West, formerly with Hornblower & Weeks, was elected as a member of the board of directors.

All former directors and officers were reelected.

P.A.'s-Eye View of Business

Composite view, December 1, of purchasing agents composing the Business Survey Committee of National Association of Purchasing Agents

The trend of opinion which anticipated declining business, reported by industrial purchasing agents a month ago, appears to have been reversed. Resumption of maritime operations, the election results, and the ending of OPA seem to have created considerable optimism. The change of trend has only a slight edge in the reports: some areas are very enthusiastic about better conditions, while others are still very cautious, because the ultimate results of price-decontrol have not had sufficient time to register.

Generally business is more confident of its own ability to solve the postwar price and production problems than in any government assistance through controls.

Business demands continue very good, with shortages of materials and labor still handicapping operations in many plants. If the coal strike is drawn out, there will be a rapid paralysis of production in key industries, and all forecasts will fall flat. It required three to six months fully to develop production after the coal and steel strikes last Spring and the recovery from any lengthy stoppage at this time would take as long or longer.

Commodity Prices

Commodity prices are definitely on the march. A general upward surge followed the ending of OPA. Most suppliers are not taking undue advantage of the situation and, outside of a few conspicuous items, increases have been moderate. There is no indication of a runaway market.

With OPA controls removed, some markets became rather hectic but, generally, buyers are not too alarmed. It is expected that prices will level off within a few months, and then declines may be expected. Some reductions are already indicated.

Inventories

Inventories in the last thirty days were climbing. There is an increase of 100 percent in the number of reports indicating higher inventories. More merchandise is being received. However, an unbalanced condition continues. Raw materials inventories have not increased proportionately with supply items that are finished products.

Buyers, however, are trying to reduce and balance inventories. Stocks are being combed to reduce wherever possible. Many unfilled orders of long standing are being canceled.

The inventory question becomes increasingly important as we pass from a period in which it was impossible to build up inventories because of shortages of materials, into a period where at one and the same time the possibility of building inventories and the danger because of the price situation must both be considered.

Buying Policy

Little change in policy among industrial buyers is reported; if any, it can be summed up in a word, "caution"—and more caution.

Buyers are beginning to tighten up, and will carefully watch the trend from here on. High prices will further a hand-to-mouth policy. Many are expecting price decline protection on long-term commitments.

Industrial buyers are gradually returning to the old fundamentals which allow market conditions, production needs, inventory, and sales to control the purchasing policy.

Specific Commodity Changes

Following the end of OPA controls many notices of price advances were received. Buyers, however, feel this is a temporary situation. Many major items remain steady despite decontrol, and it is expected this stabilization will improve after a brief burst of uncertainty and will help the overall purchasing situation.

Scrap prices have risen rapidly, and it is felt that many badly needed items will now reappear on the market in a more satisfactory supply.

Special steel sections advanced $5 per ton. Further steel advances are expected. One steel company has an-

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Streptomycin Civilian Use Rules Amended

OPD Washington Bureau

The Civilian Production Administration announces that suppliers will be permitted to distribute streptomycin released for civilian use in December through normal trade outlets.

The total amount each supplier may distribute for domestic civilian use and export will be designated by CPA. These quotas have not yet been established. The distribution of the export quota among the various exporters will be controlled by the Office of International Trade, CPA said.

The December streptomycin distribution program follows the recommendations of the Streptomycin Producers Industry Advisory Committee. For the past three months streptomycin for domestic civilian use has been released for delivery through hospitals and sanitariums only.

Phosphate Land Top Bid $3.50 an Acre

OPD Washington Bureau

William Anderson, of Garrison, Montana, was high bidder for the lease of the 200 acres of phosphate land found in Silver Bow County, Montana, it was announced following the opening of bids November 27 by the Department of the Interior. Mr. Anderson, who was the discoverer of the deposit, offered the government $3.50 an acre for the rights to develop it.

Railway Express Plans Rates Advance Dec. 13

On December 13 a new scale of express rates will become effective at all 23,000 offices of the Railway Express Agency, the company has announced. Based on a recent decision of the Interstate Commerce Commission, the new rates represent increases which will permit the agency to meet the higher wage scales which have been in effect since January 1, 1946, and to offset the higher costs of materials, equipment and rents, the report stated.

New rates will represent an increase of 20 cents per 100 pounds on first class and 15 cents per 100 pounds on second class rates; with increases in minimum and graduated charges for packages weighing less than 100 pounds.

Export Licensing Eased For Many Chemicals

OPD Washington Bureau

The Office of International Trade has expanded its consolidated license procedure to include a long list of chemicals when destined to group K countries. The consolidated license does away with the individual licenses and permits the exportation of more than one product under a single license during a calendar quarter.

Products in the chemical field which have been added to the list are:—

Amyl acetate, amyl alcohol, basic sulphate and basic carbonate white leads, cadmium lithopone, chrome pigments containing 10 percent or more chromium, including chromium oxide, chromic oxide (chrome green), lead chromate (chrome yellow), and zinc chromate; gum spirits of turpentine, lead acetate, lead antimonate, lead arsenite, lead chloride, lead dioxide, lead nitrate, lead pigments (including blue lead and lead sulphate), lead silicates, lead sublimed in oil, litharge, lithopone, molybdate chrome orange, pine oil, potassium carbonate and mixtures, potassium chloride, potassium hydroxide or caustic potash, potassium nitrate, potassium nitrate mixtures except potassium nitrate powders, potassium sulphate, red lead (dry or in oil), sodium plumbite, tartaric acid, titanium dioxide and titanium pigments, white lead in oil, wood turpentine, zinc sulphide.

Applications for consolidated licenses for the remainder of the calendar quarter of 1946 should be submitted not later than December 10, and applications for subsequent calendar quarters should be submitted during the last fifteen days of the month preceding the beginning of a new calendar quarter.

In order to provide equitable distribution of the products listed above, it was announced by OIT that it will consider export license applications for shipments of these chemicals on the basis of past participation of the individual exporter in the particular export market. Effective immediately, therefore, each application for licenses to export these chemicals must submit a statement of his exports of the commodity involved to the country of destination named during the years 1939, 1940, and 1941 or for any other three-year period. This information should be submitted with the first license application, regardless of the type of export license applied for, and need not be submitted thereafter. An exporter having no historical record of participation in the exportation of such commodities should so state when submitting his first license application.

All applications to export chemicals containing lead must show the lead content of each such commodity.

Washington Talks It Over

The OPD Observer

Business interests are planning a campaign for early action next session on the Gwynn Bill that would place a three-year statute of limitations on suits that can be filed against industry for violations of Federal statutes. This bill has become of prime importance to industry as a result of the refusal of the supreme court to rehear the M. T. Clemens Pottery Company case that extended the portal-to-portal pay rule to manufacturing plants.

The decision is encouraging numerous suit for back pay under the wage-hour law, even in cases of exceeding doubtfulness or no liability. The problem of portal-to-portal pay has become a real one in the chemical industry, and its representatives are joining fully in the effort to obtain corrective legislation as soon as possible after congress meets in January.

Failure of Congress to enact the Gwynn bill will necessitate industry's finding some other means of meeting the problem flowing from the decision. There have been suggested:—(1), the immediate setting up of a reserve to cover such contingent liabilities; (2), the negotiation of union agreements to settle such claims, and (3) the establishment in plants of new "portals" which will reduce walkingtime.

The suggestion of a union contract settling claims of individual employees, while it would appear to be the best solution to the problems, might be risky. A contract with a union does not necessarily bind individual employees, who may not, under court interpretations of the wage-hour act, compromise their claims for damages.

Government officials trying to keep the fertilizer situation on an even keel in the face of strikes, shortages of supplies, and inflated demands, have just had a hot potato dropped in their laps, and don't know just exactly what to do about it. It takes the form of about 55,000 tons of potash from German mines which Russia is willing to make available to the United States at a price about twice that which potash is bringing domestically.

Potash is one of those materials that are still under world allocation by the International Emergency Food Board of which the United States is one of the members. Allocations of potash for next year have all been made and thus the question arises whether we would be doing right by the other members to accept this unexpected supply. Some in the government are in favor of accepting the offer, but others argue against it.

It also presents something of a problem to fertilizer producers themselves as to whether they should accept this material at the price offered. There is a chance that they might lose money on the deal, if CPA should decide—which it might—to end the

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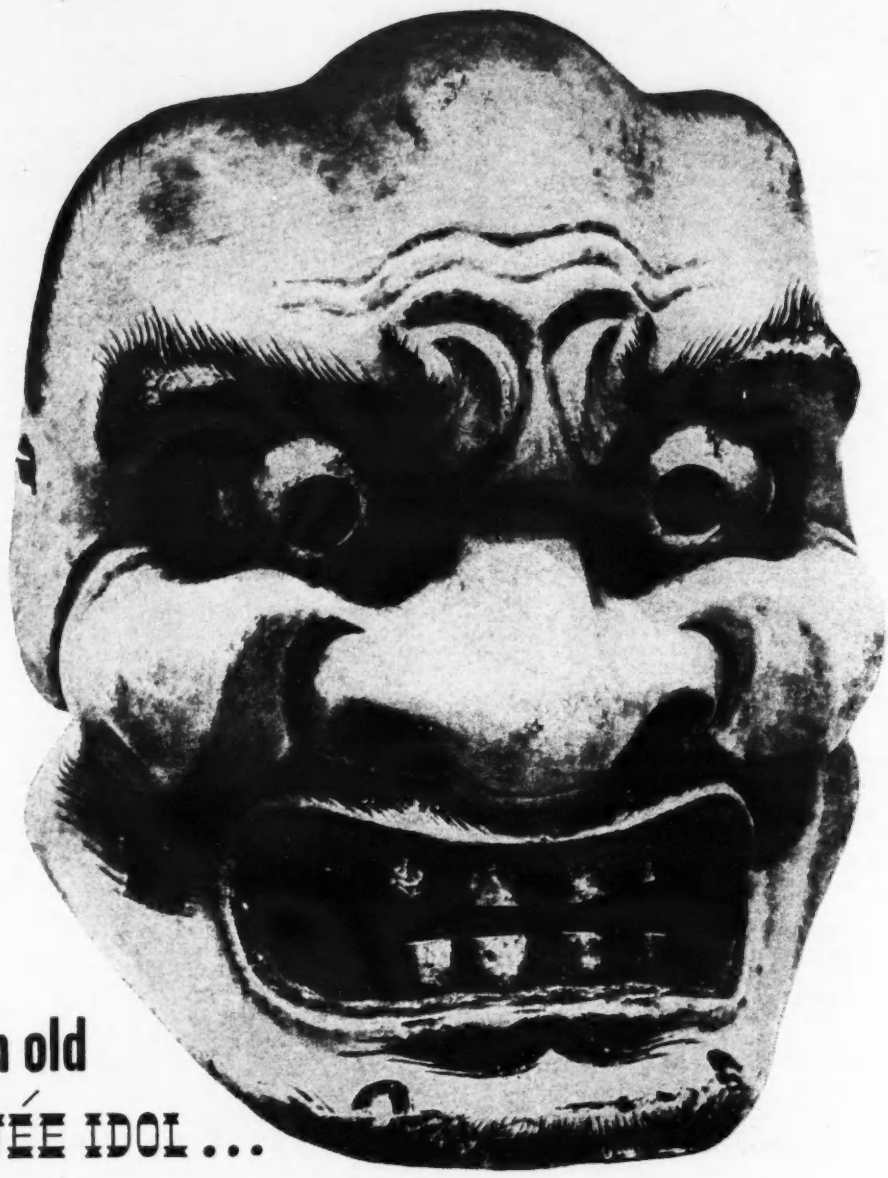

meet an old MATINÉE IDOL . . .

In 16th Century Asia the ceremonious Nō-plays were the thing. "Matinée idols", Oriental style, packed them in with pantomime, dancing, music . . . and grotesque masks. The masks provoked tears or cheers—according to design. Carved from wood, coated with plaster, they were finished in lacquer.

Lacquer has undergone drastic and dramatic change since those days. Playing a star role today, in industry, is the modern lacquer—nitrocellulose lacquer.

CSC has played an important part in this growth. An example of CSC's contribution to the lacquer industry is the development, production, and supplying of the many solvents and plasticizers that have enabled lacquer to meet industry's exacting requirements.

COMMERCIAL SOLVENTS
Corporation
17 East 42nd Street, New York 17, N.Y.

Industrial Application Of Chemicals

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Graphite

(Additional uses—supplementary to information in the book, Uses and Applications of Chemicals and Related Materials.)

Chemical—Material for making dispersed specialties.

Material (in the colloidal state) possessing the following properties:—unctuous, dry lubricating solid; relatively good conductor of electricity; resistant to high temperatures; codispersible with many liquids and solids; anticorrosive; chemically inert; practically pure; opaque; relatively good conductor of heat; resistance compound; low in photoelectric sensitivity; low coefficient of expansion; gas absorbent; a "black body"; diamagnetic; specific gravity between 2.0 to 2.5; Moh's scale of hardness less than 1; electrically charged particles.

Electrical—Material used in making cathode ray tubes, copper oxide disks electrodes, electroplatings, filament cement, Geiger counters, grid leaks, guard rings, ionization chambers, magnet faces, microphones, rectifiers, resistances, tone controls, toy telephones, vacuum tubes, volume controls.

Ink—Ingredient of conductive inks.

Lubricant—As a lubricating agent or base.

Ingredient of assembly, boring, clock, crankcase, run-in, spray, spring, and valve oils; crankcase additives, cutting fluids, gun, high-temperature, penetrating, rubber, steam cylinder, and upper cylinder lubricants.

Miscellaneous—Ingredient of burnishing and honing preparations, parting and facing compounds used in various industries for separation of adjoining surfaces.

Impregnating agent for asbestos, brakelinings, ebonite fabrics, felt, fibers, grinding wheels, industrial soaps, latex, leather, metals, optical wedges, paper, soiling standards, synthetic resins, waxes, wood.

Suggested for use as gas adsorbent, colloid, opaqueing agent, scale preventive, masking agent.

Plumbing and Pipefitting—Ingredient of pipejoint coating compositions.

Lead Dipropyldithiophosphate

Insecticide and Fungicide—Claimed (U.S. 1949485) as seed disinfectant.

Ingredient (U.S. 1949485) as seed-disinfectant compositions.

2-Methoxydiphenyl

Adhesives—Plasticizer (U.S. 1893283) in adhesive compositions containing cellulose derivatives.

Ceramic—Plasticizer (U.S. 1893283) in compositions, containing cellulose derivatives, used as coatings for protecting and decorating ceramic articles.

Chemical—Plasticizer (U.S. 1893283) for cellulose derivatives.

Cosmetic—Plasticizer (U.S. 1893283) in nail enamels and lacquers containing cellulose derivatives as base material.

Electrical—Plasticizer (U.S. 1893283) in insulating compositions, containing cellulose derivatives, used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer (U.S. 1893283) in compositions, containing cellulose derivatives, used in the manufacture of nonscatterable glass and as coatings

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Association Meetings

American Association for the Advancement of Science, Statler hotel, Boston, December 26-31.

American Association of Textile Chemists and Colorists, Statler hotel, Boston, December 12-15.

American Institute of Chemical Engineers, Midston house, New York, December 10.

American Pharmaceutical Manufacturers' Association, midyear meeting, Waldorf-Astoria hotel, New York, December 9-11.

Society of Cosmetic Chemists, Savoy Plaza hotel, New York, December 6.

Synthetic Organical Chemical Manufacturers Association, Roosevelt hotel, New York, December 17.

Toilet Goods Association, scientific section, Waldorf-Astoria hotel, New York, December 5.

Mines Bureau Names Miller to New Post

OPD Washington Bureau

Thomas H. Miller, assistant chief of the economics and statistics branch of the Bureau of Mines since January, 1945, has been appointed assistant director of the Bureau. Mr. Miller, who has been associated with the Bureau for nearly twenty years, fills one of the bureau's two assistant directorships, replacing George A. Lamb, assistant director since May, 1944, who resigned in October to enter private industry in Pittsburgh.

R.R. Williams Wins 1946 Perkin Medal

Dr. Robert R. Williams, director of research of the Research Corporation, New York, whose synthesis of Vitamin B_1 promises to free the Orient from beriberi, has been awarded the 1946 Perkin Medal of the American section of the Society of Chemical Industry.

Dr. Williams, who was chemical director of the Bell Telephone Laboratories in New York for twenty-one years before he joined the Research Corporation last Spring, was cited for his outstanding accomplishments in fundamental research on Vitamin B_1, or thiamine, the antineuritic vitamin essential to nerve health and life.

The medal will be presented on the evening of January 10, at a joint meeting of the Society of Chemical Industry, the American Chemical Society, the American Institute of Chemical Engineers and the Electrochemical Society at the Commodore hotel, New York.

A director of the American Bureau for Medical Aid to China, Dr. Williams, on the invitation of the Chinese

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Sales Executives Told To Retrain Salesmen

Bryan Houston, executive vice-president and general sales manager of the Pepsi-Cola Company, warned sales executives last week that they must undertake complete retraining of sales forces and revamping of promotional and advertising programs if they are to meet the test of the transition from rationing their products to customers to the job of actually selling them.

Speaking before a luncheon meeting of Sales Executive Club of New York, held in the Roosevelt hotel, November 26, Mr. Houston said that the "rude awakening" is already taking place for salesmen, and the day is not far off when the customer who for the last five years took any goods gratefully suddenly takes a distant attitude and declines to buy.

Technical Director

Donald A. Kohr, jr., director of the Sherwin-Williams Company emulsion research laboratory in Chicago since 1944, has been appointed technical director of special chemical products. Mr. Kohr became associated with the company as a research chemist in 1932.

Packaging Institute Elects Rogers President

Seminars which brought together producers and designers and those with special packaging problems, including problems on packaging of cosmetics, petroleum products and chemicals and allied products, featured the eighth annual meeting of the Packaging Institute in the Stevens hotel, Chicago, November 25-26.

The latest techniques in packaging procedure, materials and machinery were outlined and discussed by those attending the seminars.

At the general sessions of the meeting, Mason T. Rogers, head of the Dewey & Almy Chemical Company, Boston, Mass., was elected president of the institute, succeeded Walton D. Lynch, vice-president of the National Folding Box Company.

Mr. Lynch said that the packaging industry is not only a major industry right now, but if the industry progresses as it has in the past it may even surpass the automobile industry.

Metal Powder Ass'n Reelects Officers

The Metal Powder Association has reelected as president H. E. Hall, president of the Metals Disintegrating Company, Elizabeth, N. J. S. K. Wellman, president of S. K. Wellman Company, Cleveland, and F. E. Wormser were reelected vice-president and acting secretary-treasurer, respectively.

P. E. Weingart, of the American Metal Company, New York, was named chairman of the board of directors, and V. T. Price, secretary of the Pyron Corporation, Niagara Falls, N. Y., was elected to the board for a three-year term.

Fair Trade as Bar To Monopoly Cited

The potency of fair trade, as an indispensable factor in resisting encroachments of retail monopolies, must be made clear within the individual community, by neighbor to neighbor, John W. Anderson, president of the American Fair Trade Council, declared at the annual meeting held in the Waldorf-Astoria hotel, New York, November 26.

Mr. Anderson's address and a symposium on fair trade, highlighted the meeting. The symposium was in the form of question period, with Mr. Anderson and a panel of seven council members answering the queries.

"Industry has been the victim of its own mechanizations and, by the futility of its defensive expedients, has almost completely surrounded itself with eight-balls," Mr. Anderson told members.

He asserted that as a protest against enforced diversions from its creative and productive labors, industry has tossed substantial contributions into the treasuries of its trade associations, usually on staff assurance that a formula was available by which, as if by magic, and almost overnight, confusion long compounded in the public mind could be completely cleared. He stated that such dedication of generous funds is followed by incantations of modern medicine men. Master minds sit at desks and proceed at once to forget all they have learned in organizing distribution for the tangibles of industry, he added.

"Millions of dollars spent at the so-called national level in brilliant advertisements offering a short course in Americanism, have done the cause of industry in America vastly more harm than good," Mr. Anderson said. and added that the growing predicaments of industry attest that fact.

"Such advertisements have been skillfully composed, usually in such form as would gratify their sponsors. The only men who needed the message perhaps shrank from it, if he saw it at all. Its very extravagance aroused his suspicions. He closed his mind—and the desk-bound genius who created the campaign had left only his commissions to comfort him."

Contrasting such fabulous national campaigns with educational work at the community level. Mr. Anderson said: "Most of the confidence by which men permit themselves to be guided in America today roots in the neighborhood in which they live; it is the confidence of neighbor in neighbor. When faith in the tinseled gods of radio collapses, he said, neighbors turn to neighbors for discussion and guidance.

"The merchandising of redeeming truth, upon which the fate of America now depends," he declared, "must be-

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Chemical Engineers To Meet December 10

A discussion on the timely subject of the licensing of chemical engineers will feature the meeting of the American Institute of Chemical Engineers at the Midston house, New York, December 10.

John Weiss, of John M. Weiss & Co., chairman of the institute's professional legislation committee, will introduce the subject and bring the membership up to date on the status of licensing laws throughout the country. Members will be asked to express their opinions on licensing following his talk.

Another feature of the meeting will be the election of officers for the 1947 season. A slate of officers will be offered by the nominating committee which is composed of Alexander Redniss, W. F. Rollman, and Dr. C. R. Downs, chairman.

Book Reviews

Plastics Business, by Herbert R. Simons & Joseph V. Sherman, 439 pages, 8¾ x 6, D. Van Nostrand Company, New York, N. Y., $5.

Dealing primarily with the business and statistical considerations of the industry, this book is of interest to molders, fabricators and prospective investors in the rapidly expanding plastics trade. Growth, earnings, structure and trends are thoroughly considered and are substantiated by records of important producers.

NAM Plans Industrial Research Session

Sessions on patents and industrial research, labor relations and public relations will be included in the fifty-first annual Congress of American Industry, sponsored by the National Association of Manufacturers, at the Waldorf-Astoria hotel, New York, December 4-6.

The discussion on patents and industrial research, which will be held the afternoon of December 6, under the chairmanship of R. J. Dearborn, president of the Texaco Development Corporation, will stress the need for cooperation between private industry and government in research and how it is being accomplished.

Speakers will be P. C. Keith, president of Hydrocarbons Research, Inc., who will discuss "New Developments in Industrial Research," and Vice Admiral H. G. Bowen, chief of the Office of Naval Research, whose topic will be "Naval Research and It's Relation to Private Industry."

The aim of the session on labor relations, which will be held the evening of December 5, will be to help employers see behind some of the significant trends and pressures which affect cost and production.

Leo Wolman, professor of economics, Columbia University, will discuss "Wage Trends in a Changing World." Ralph Monk, director of industrial labor relations for the Caterpillar Tractor Company, will speak on "The Broadened Front for Collective Bargaining Demands," and Raymond Smethurst, counsel for the manufacturers' group, will discuss "The Portal-to-Portal and Walking-Time Issue."

The public relations session will be part of a three-sided presentation of public relations, which includes a discussion by Holcombe Parkes, vice-president in charge of public relations, of the underlying philosophy on which the entire congress program is based.

The general sessions of the program will be held December 4 and the morning of December 5.

SOCMA to Elect Officers December 17

The Synthetic Organic Chemical Manufacturers Association will elect officers for 1947 at the twenty-fifth annual meeting to be held at the Roosevelt hotel, New York, December 17.

OPD—12-2-1946 8

WEEDS THAT FLAVOR MILK *cost dairymen millions!*

Baker's 2,4-D

KILLS COSTLY WEEDS — HELPS BUILD VALUABLE PASTURAGE— GIVES MORE GRAZING PER ACRE!

Off-flavor milk is costly. Every year milk plants and creameries reject or degrade a large quantity of milk and cream with weedy flavors. It costs dairymen millions of dollars.

To prevent off-flavors in milk, cows must be taken off pastures containing "flavor weeds" four hours before milking—in some cases longer. This means considerable loss of valuable pasturage to the dairymen.

Many of the troublesome weeds which cause off-flavors in milk can be killed with 2,4-D—wild onion or garlic, bitterweed, French weed, dog fennel, ragweed, shepherd's purse, wild mustard, and pepper grass.

Killing these weeds makes more pasture available for the dairy herd and reduces off-flavor milk losses to the minimum.

To those who formulate weed killers, here is a real opportunity to create sales. The J. T. Baker Chemical Company supplies your needs two ways—raw materials for manufacturing weed killers such as acid 2,4-D and the sodium salt of 2,4-D, which is water soluble.

OR, you can obtain Baker's 2,4-D formulated concentrates which are ready for dilution by the consumer and ready for your trade-mark and label.

Whether you are interested in either or both, write for further facts and prices. Address Organic Chemical Division, J.T. Baker Chemical Co., *Executive Offices,* Phillipsburg, N.J.

Baker's Chemicals

C. P. ANALYZED • FINE • INDUSTRIAL

Current Market Quotations Chemicals and Related Materials

November 27, 1946

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, Arabic).
Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works....lb. .14 - —
Tanks .....lb. .08 - —
Acetaldol (see Aldol).
Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
Tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50
Acetanilide, tech., cryst., powd., bbls..lb. .34 - .35
USP, cryst., powd., bbls., 2,000-lb. lots..lb. .40 - .41
smaller lots.....lb. .41 - .42
Acetic anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —
Acetoacetanilide, bbls., dms....lb. .60 - —
Acetone, CP, dms., c.l., divd..lb. .08 - —
l.c.l., divd..lb. .08½- —
tanks, divd.....lb. .07 - —
Methyl (see M).
Acetonitrile, dms., c.l., works.lb. .35 - —
l.c.l., works.....lb. .40 - —
5-gal. lots, works.....lb. .45 - —
less than 5-gal. lots, works.lb. .50 - —
Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms. .....lb. 1.08 - 1.10
Acetophenone, cns., dms.....lb. 1.50 - 1.75
Acetyl chloride, cbys., works.lb. .60 - —
Acid, abietic, doms., c.l., wks..lb. .07½- —
Acetic, com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.65
50%, bbls.....100 lbs. 5.58 - 6.35
70%, bbls.....100 lbs. 6.65 - 6.96
80%, bbls.....100 lbs. 7.47 - 7.73
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., C.P., dms., works..100 lbs.12.50 -13.25
99.5%, bls.....100 lbs. 9.15 - 9.40
tanks ... .100 lbs. 6.98 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.98 - 7.25
USP, dms., works.100 lbs.10.50 -11.00
pure, 80%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.25 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).
Acetylsalicylic, special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .48 - —
smaller lots.....lb. .46 - .59
standard USP,, fine cryst., gran. (30-40 mesh), powd. (80 mesh), bbls., same basis. lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Aminoacetic, USP cryst., powd., bbls., frt. adjusted.lb. 1.25 - 1.30
Anthranilic, resub., bbls....lb. 1.20 - 1.25
tech., bbls. .....lb. .90 - —
Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs....lb. .20 - .22
Ascorbic, USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.25 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —
Battery, cbys., c.l., E. works.. 100 lbs. 1.60 - —
l.c.l., E. works.....100 lbs. 1.95 - 2.05
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
999 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,000 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59
Betaoxynaphthoic, bbls., works. lb. .95 - —
Boric, tech., 99.5% cryst. (same as prices for powder). gran., bgs., c.l., frt. alld.. ton.99.90 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —

USP $25 per ton higher.

Butyric, 99%, dms., c.l., works, lb. .29 - —
l.c.l., same basis.....lb. .30 - —
Broesner's, bbls. .....lb. 1.22 - —
Acid, cacodylic, bots. .....lb.12.50 -14.50
Camphoric, cns. .....lb. No stocks
Caprylic, 90%, dms.....lb. No stocks
Capric, tech., ret. dms.....lb. No stocks
Castor oil, split, ret. dms...lb. No stocks
Chlorosulphonic, dms., c.l., works..lb. .06 - —
l.c.l., works .....lb. .06¼- .04½
tanks, works .....lb. .03½- —
Chromic, 99½-99¾%, dms., c.l., lb. .17 - —
l.c.l. .....lb. .17½- .19
Cinnamic, refd., bots.....lb. 3.00 - 3.50
Citric, anhyd., gran., dms., c.l..lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't. lb. .23 - —
smaller lots, bbls. .....lb. .23 - —
dms. .....lb. .25½- .26½
kgs. .....lb. .24 - —
USP, cryst., gran., bbls., c.l., lb. .20 - —
l.c.l., 10,000 lbs., 1 ship't. lb. .20½- —
smaller lots, bbls. .....lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21½- —
powdered citric acid, ½c. higher.
Cleve's, bbls.....lb. .65 - 1.00
Coconut oil, dist., dms.....lb. No prices
Corn oil, s.d., dms., c.l., wks. lb. No prices
Cottonseed oil, s.d., dms., c.l. lb. No prices
tanks, divd. .....lb. No prices
Cresylic dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. 1.01 - —
l.c.l., same basis....gal. 1.04 - —
tanks .....gal. .95 - —
Petroleum, heavy grade (247°-298°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref. gal. .616 - —
1-19, Cal., ref....gal. .510 - —
Sewaren, N. J., ref. gal. .638 - —
tanks, divd.....gal. .586 - —
light grade (200°-246°), tanks, Cal. ref..gal. .600 - —
medium grade (220°-248°), dms., 20 Cal. ref.gal. .50 - —
Sewaren, N J., ref. gal. .626 - —
1-19, Cal. ref....gal. .570 - —
Sewaren, N. J., ref. gal. .606 - —
tanks., divd. ....gal. .646 - —
Crotonic, bbls., Canadian, wks. lb. .25 - —
Dichlorophenoxyacetic, fib. dms., c.l., works..lb. .80 - —
l.c.l., works.....lb. .85 - .95
Diethylbarbituric (see Barbital).
F (see Acid, monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works.....lb. .10½- .11
90%, cbys., c.l., works....lb. .10¼- —
l.c.l., works.....lb. .11 - .11½
Fumaric, tech., bbls., dms...lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15
Gamma, bbls. .....lb. .97 - —
Gluconic, tech., 50%, bbls....lb. .12 - —
dmja. .....lb. .21 - .23
kgs. .....lb. .14 - .15
Glutamic hydrochloride, dms., lb. 2.00 - 2.40
Glycolic (see Acid, hydroxyacetic).
H, bbls.....lb. .43½- .45
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, medicinal, 48%, cbys., dlvd. E..lb. .48 - —
tech., 48%, cbys., same basis, lb. .45 - —
34%, cbys., same basis.....lb. .35 - .37
Hydrochloric (see Acid, Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .80 - .40
Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works..lb. .08 - .09
48%, rubber dms., works..lb. .12 - —
52%, rubber dms., works..lb. .12½- —
60%, rubber dms., works..lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .36 - .09
Hydroxyacetic, 70% tech., bbls., non-return, Phila..lb. .084 - —
tanks, Belle, W. Va., acid basis..lb. .085 - —
Hypophosphorous, USP, dms., lb. .75 - .77
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
smaller lots.....lb. .13 - .13½
80%, bbls., 5 or less.....lb. .24½- .24¾
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14½- —
10 or less.....lb. .14¾- .15¼
80%, bbls., cbys., 5 or less, lb. .26 - .26¼
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .82 - .85
Acid, Laurent's, bbls.....lb. .63 - —
Lauric, dist., 85%, dms.....lb. No prices
60%, dms. .....lb. No prices
Linseed oil, light, dms.....lb. No prices
Maleic, powd., dms.....lb. .30 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms...lb. .16½- —
purified, flake, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.23 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys extra..lb. .06 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys., extra....lb. .06½- —
6-lb. bots., extra.....lb. .06½- —
Myristic, dist., dms..... No stocks
Naphthenic, 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
Nevile winthers, dms.....lb. .73 - —
Nicotinic, USP, dms., works... kilo. 6.00 - 6.30
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 23, E. works.100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., cs., extra...lb. .15 - —
dealers, cbys. extra.....lb. .11½- —
7-lb. bots., cs., extra...lb. .13½- —
Oleic (see Oil, Red).
Oleum (see Acid, sulphuric, fuming).
Oxalic, bbls., c.l., works....lb. .11¾- .12¾
10,000 lbs.....lb. .12 - .12¾
smaller lots.....lb. .13 - .13½
Palm oil,[8] white, dist., dms..lb. No stocks
Para-aminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., works..lb. .80 - —
Peanut oil, s.d., tanks, works. lb. No prices
Phenylacetic, bots. .....lb. 1.60 - 1.85
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld.. 100 lbs. 5.25 - 7.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs. 4.00 - 4.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys. .....lb. .13 - —
70-lb. cbys. .....lb. .10¼- —
25 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns..lb. .07 - .07½
Picramic, kgs. .....lb. .65 - .70
Picric, bbls. .....lb. .30 - .31
Propionic, synth., pure, dms., works..lb. .19½- —
tanks, works .....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.02
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms. .....lb. 2.60 - 2.65
Pyroligneous, dms., ex whse, l.c.l..gal. .41 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic, tech., bbls., c.l....lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots .....lb. .36 - .44
Sebasic, tech., dms., c.l., works, lb. No stocks
Soybean oil, s.d., dms., works, lb. No prices
tanks, works.....lb. No prices
Stearic, double pressed, bgs..lb. .33½- .34½
single pressed, bgs.....lb. .33 - .34
triple pressed, bgs.....lb. .30¼- .31¼
Succinic, bbls. .....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.68
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l. .....100 lbs. 1.50 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.. 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, consumers cbys., extra..lb. .08 - —
9-lb. bots., cs. extra...lb. .10 - —
dealers, cbys. extra.....lb. .06¼- —
9-lb. bots., cs. extra...lb. .08½- —
fuming, 20%, tanks, E. works. ton.19.50 - —
Acid, tannin, tech., bbls., dms..lb. .71 - .72
USP, duffy, bbls., 1,000 lbs.. lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.88
powder, bbls., 1,000 lbs..lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .54½- —
smaller lots, bbls..lb. .55 - —
kgs. .....lb. .55½- —
Thioglycolic, bbls., cbys., basis 100%..lb. 2.00 - 3.00
Tobias, bbls.....lb. .55 - .90
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, 100-lb. pkgs...lb. 2.04 - 3.10
pura, 100-lb. kgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.10 - 1.45
Root, bls.....lb. 1.20 - 1.25
Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —
Acrylonitrile, dms., c.l., works. lb. .28 - —
l.c.l., works.....lb. .25½- —
tanks, works.....lb. .25 - —
Adeps lanae[1] USP, anhyd., cosmetic, dms., works.lb. .28 - .30
pharmaceutical, dms., works. lb. .26 - .28
Agar .....lb. 3.50 - —
San Diego, Cal.....lb. 3.00 - —
Agaric, white, bls.....lb. 2.85 - 2.90
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg edible,[7] cryst., gran., bbls. lb. 1.75 - 1.94
powd., bbls. .....lb. 1.80 - 1.85
tech., cryst., bbls.....lb. 1.65 - 1.80
Alcohol, allyl, dms., c.l., divd..lb. .21 - —
l.c.l., divd.....lb. .21½- —
tankcars, divd.....lb. .20 - —
Amyl ex pentane, dms., c.l., frt. alld., E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .90 - —
dms. .....lb. .65 - .80
Butyl, normal, ferment. Ill., Ind. prod., dms., c.l., frt. alld..lb. .261 - —
l.c.l., frt. alld. E....lb. .266 - —
tanks, frt. alld. E....lb. .251 - —
tankwagon, frt. alld..lb. .256 - —
other production, dms., c.l., frt. alld. E..lb. .31½- —
l.c.l., frt. alld E....lb. .32 - —
tanks, frt. alld. E....lb. .30½- —
synthetic, dms., c.l., frt. alld. E..lb. .15½- —
l.c.l., frt. alld. E.....lb. .16 - —
tanks, frt. alld. E.....lb. .14½- —
Normal butyl alcohol prices in West, ½c. per lb. higher.
secondary, dms., c.l., divd..lb. .09½- —
l.c.l., divd.....lb. .10 - —
tanks, divd.....lb. .08½- —
tertiary, denat., dms., c.l..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Capryl, dms., c.l., works....lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.75 - 1.80
smaller lots.....lb. 1.95 - 2.30
Cinnamic, bots.....lb. 3.00 - 3.25
Denatured,[7] CD14, dms., c.l., works, E..gal. .90 - —
l.c.l., works, E.....gal. .93 - .97
tanks, E. divd.....gal. .83 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., E. works..gal. .89½- .922
l.c.l., works, E.....gal. .92½- .962
tanks, E. works.....gal. .92½- .883
Anhydrous 5c. per gal. higher.
SD2B, dms., c.l., wks., E..gal. .89 - .92
l.c.l., works, E.....gal. .92 - .99
tanks, E. works.....gal. .82 - .85
SD23G, dms., c.l., works.gal. .93½- —
l.c.l., works.....gal. .96½- 1.80
tanks, works.....gal. .86½- —
SD23H, dms., c.l.....gal. .89½- .908
l.c.l., works, E.....gal. .92½- .978
tanks, E. works.....gal. .82½- .838
SD29, denatured, with acetaldehyde, dms., c.l., E. works, gal. .90 - —
l.c.l., works, E.....gal. .94 - .99
tanks, E. works.....gal. .83 - —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD3I plus 1½c. per gal. denaturing charge.
Special solvent, dms., c.l., works, E..gal. .91½- .953
l.c.l., works, E.....gal. .94½- 1.028
tanks, E. works.....gal. .84½- .883
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., divd..lb. .11½- .14½
l.c.l., divd.....lb. .12 - .15
tanks, divd.....lb. .10¼- .13½
tech., dms., c.l., divd.....lb. .11 - .13½
l.c.l., divd.....lb. .11½- .14
tanks, divd.....lb. .10 - .12½

Controls on Materials

Applications of CPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

[3]—General Limitation Order

[4]—General Preference Order

[5]—Conservation Order

[6]—Allocation

[7]—War Food Order

Alcohol, ethyl, 190 pf., dms., c.l., works..gal. 18.01 - —
l.c.l., works..gal. 18.05 -18.10
tanks..gal. 17.94 - —
absolute, dms., c.l., works..gal. 18.08 - —
l.c.l., works..gal. 18.12 -18.17
tanks..gal 18.01 - —
Ethylhexyl, dms., c.l., works..lb .25 - —
l.c.l., works..lb .26 - —
tanks, works..lb .24 - —
Furfuryl, tech., cns., works..lb .55 - —
dms., c.l., works..lb .22½- —
l.c.l., works..lb .25 - —
tanks, works..lb .19 - —
Isoamyl (see Carbinol, isobutyl).
Isobutyl, refd., dms., works..lb .0800- —
tanks, works..lb .0760- —
Isopropyl, refd., 91%, dms., incl. c.l., divd..gal .61
l.c.l., divd..gal 48½- .44
tanks, divd..gal .54 - .54½
99%, dms., incl. c.l., divd..gal .44 - —
l.c.l., divd..gal .47 - —
tanks, divd..gal .57½- —
Methyl (see Methanol).
Methylamyl (see Carbinol methylisobutyl).
Octyl, perfumer's grade, bots..lb. 4.25 - —
Phenylethyl, dms..lb. 2.80 - 2.75
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis. lb. .60 - .65
Propyl, normal, dms., works..gal. .67 - —
smaller containers, works. gal. .82 - —
tanks, works..gal. .60 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .55 - —
dms., c.l., Waverly, N. Y..lb .40 - —
l.c.l., same basis..lb .50 - —
Aldol, dms., works..lb. .13 - .15
denaturing grade, dms..gal. 1.20 - —
Aletris root, bgs..lb 2.20 - 2.30
Algarobilla, c.l., ex dock, long ton. No prices
Algarobilla price based on ocean frt. at $12 and $1 insurance per long ton.
Algin, bbls., lb. dms..lb. .70 - 1.00
Alizarin (see Red, alizarin).
Alkanet, root, bgs..lb. .85 - .90
Allspice, Mexican, futures, bgs. lb. .23 - .23½
Allyl bromide, cbys., 5,000 lbs., works..lb. .90 - —
smaller lots, works..lb. 1.05 - 1.10
Chloride, dms., c.l., divd..lb. .13½- —
l.c.l., divd..lb. .14 - —
tanks, divd..lb. .12½- —
Aloe, Cape, cs..lb. .42 - .43
Curacao, kgs..lb. .43 - .45
Socotrine, kgs..lb. .47 - .49
Aloin, bbls., dms., kgs..lb. 4.50 - 4.60
Alphanaphthol, bbls..lb. .58 - —
Alphanaphthylamine, bbls..lb. .35 - —
Alphanaphthylmethylnitrosurea, lb. dms., works, frt. alld..lb. 4.00 - 4.40
Alphapicoline, ref, dms., works, frt. equald..lb. .24½- .25
Alphapinene, from gum turpentine, dms., c.l., wks..gal. 1.11½- —
l.c.l., works..gal. 1.13½- —
tanks, works..gal. 1.09½- —
from steam-distilled wood turpentine, tanks, works..gal. .71½- —
Alphaterpineol, dms., c.l., works. lb. .1340- —
l.c.l., works..lb. .1500- —
tanks, works..lb. .1300- —
Alphatocopherol, amp..gram. 1.00 - 1.10
Althea root, NF, peeled, bls...lb. .40 - .45
Alum, ammonia, bornt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works..100 lbs. 4.00 - —
divd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works..100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works..100 lbs. 4.40 - —
divd., N. Y., Phil..100 lbs. 4.40 - —
Alum, potash, gran., bbls., works. 100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works..100 lbs. 4.50 - —
divd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works..100 lbs. 4.65 - —
divd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls..lb. .12½- .13
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., divd..100 lbs. 4.25 - 5.00
Alumina, classified, grade, grd., kgs., works..lb. .58 - .67
top grade, ground, kgs., works. lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .40
Acetate, basic solution, 24%, bbls., l.c.l., works..lb. .09½- .10
20%, bbls., l.c.l., works..lb. .08½- .09
Chloride, anhyd., com'l, dms., c.l., works..lb. .08 - .11
l.c.l., works..lb. .09 - .12
cryst., com'l, dms., c.l., works. lb. .08 - —
l.c.l., works..lb. .08½- .09
solution, 32 deg., cryst., c.l., works..lb. .02½- —
l.c.l., works..lb. .03¼- —
Fluoride, tech., bbls..lb. .25 - —
Formate, solution, 12-20° Be. bbls., c.l., works, f.o.b. equaled Phila. and Chi..lb. .09½- —
l.c.l., works, same basis. lb. .10 - —
Hydrate, heavy, bgs., c.l., works..lb. .024 - .031
l.c.l., works..lb. .035 - .040
light, bgs., divd..lb. .14½- —
bbls., divd..lb. .15 - —
Hydroxide, gel tech., min. 15% Al (OH)₃, dms., 10,000 lbs. or more, f.o.b. ship't point..lb. .03 - .03½
tank lots, same basis..lb. .03¼- .03½
smaller lots, same basis. lb. .03½- .04
Alumina hydroxide, 9-9½%, Al_2O_3, flb. dms., works..lb. .17½- —
contract, works..lb. .16½- —
14-15% Al_2O_3, flb. dms., works..lb. .20½- —
contract, works..lb. .18½- —
dried, USP XII, flb. dms., works..lb. .75 - —
contract, works..lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms..lb. .15 - .17
Laurate, precip., bbls..lb. .25 - .30
Naphthenate, 1.7% Al, 50-gal. dms., works..lb. .19 - —
Oleate, dms., contract..lb. .24½- —
Resinate, precip., dms..lb. .18½- —
Stearate, precip., ctn., c.l...lb. .42 - —
l.c.l..lb. .43 - .44
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - 1.20
l.c.l., works, frt. equald.. 100 lbs. 1.40 - 1.60
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.40
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works, 100 lbs. 1.75 - —
l.c.l., works..100 lbs. 2.00 - —
Trihydrate, heavy (see Alumina hydrate).
Aluminum, 98-99%, c.l..lb. .15 - —
l.c.l..lb. .15 - .16
paste, lining, extra fine, 200-lb. dms..lb. .56 - .60
ink, 150-lb. dms..lb. .71 - —
standard, 200-lb. dms..lb. .59 - —
powder, lining, extra fine, 150-lb. dms..lb. .56 - —
litho, 150-lb. dms..lb. .60 - —
standard, 200-lb. dms..lb. .62 - —
rubber comp., 200-lb. dms..lb. .42 - —
unpolished, stand., dms..lb. .38 - —
varnish, stand., 200-lb. dms.. lb. .43 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 20,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S. a deduction equivalent to the lowest available common carrier transportation rate will be made from sellers' invoice on orders of 200 lbs. or over

Ambergris, gray, tins..oz. 8.75 -12.00
Aminoethylpropanol, cns., dms., works..lb. .80 - .90
Aminopyrine, bots., dms..lb. 4.00 - 4.40
Ammonia acetate, reagent, crystals, bbls..lb. .34 - —
purified, bbls..lb. .32 - —
Anhydrous, fertilizer, tankcars, works, frt. equald..ton. 59.00 - —
pure, cyls..lb. .14½- —
refrigeration, tanks, works... ton. 61.50 - —
Aqua, 26°, cbys..lb. .05¼- —
dms., c.l..lb. .02¾- —
l.c.l..lb. .02½- —
tanks, works (NH_3 content). ton. 60.00 - —
Benzoate, USP, dms., kgs. 4,000 lbs., up, frt.alld..lb. .43 - —
smaller lots, frt. alld..lb. .44 - .47
Biborate, gran., bbls., N. Y. or Chi..lb. .1515- —
Bicarbonate, dms., c.l..lb. .0504- —
Bichromate, bbls..lb. .23 - .25
Bifluoride, bbls..lb. .15 - .15½
Borate, gran., bbls., kgs..lb. .1000- —
powd., bbls., kgs..lb. .1130- —
Bromide, gran., NF, bbls..lb. .28 - —
dms..lb. .29 - —
Powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms..lb. .06¼- .06¾
cns..lb. .14¾- .17¾
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .16
Citrate, dibasic, bbls..lb. .75 - —
dms..lb. .80 - .85
Fluoride, bbls..lb. No stocks
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms..lb. 1.25 - 1.37
jars..lb. 1.30 - 1.35
Iodide, NF, bots..lb. 3.71 - —
jars..lb. 3.65 - —
Linoleate, 80%, anhyd., bbls..lb. .12 - —
Molybdate,* c.p., cryst., kgs..lb. 1.20 - 1.25
fine cryst., bbls., kgs..lb. .84 - .87
purified, dms..lb. 1.10 - 1.15
Nitrate, fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point..ton. 32.00 - —
bulk, same basis..ton. 46.00 - —
tech., bgs., works..100 lbs. 4.35 - 4.50
bbls., works..100 lbs. 4.55 - —
Nitrate - limestone, 20.5% N. bgs., Hopewell, Va..ton. 32.50 - —
Oleate, dms..lb. .14 - —
Oxalate, fine gran., bbls..lb. .23 - —
dms..lb. .25 - .29
Perchlorate, kgs..lb. No stocks
Persulphate, kgs..lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs..lb. .27 - .30
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works..lb .07¾- —
monobasic, pure, bbls..lb. .39 - .41
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works..lb. .07¾- .08¼
Salicylate, NF, dms., kgs..lb. 1.15 - 1.16
Silicofluoride, bbls..lb. .15 - .18
Stearate, anhydrous, dms..lb. .34 - —
paste, dms..lb. .06½- —
Sulphamate, bbls., dms., works. lb. .18 - .20
Sulphate, bulk, producing ovens..ton. 30.00 - —
Sulphide, liquid, 40-45% basis 100%, dms., c.l., works..lb. .09 - —
l.c.l., divd..lb. .10 - —
tanks, divd..lb. .07½- —
red, 48%, cbys., works..lb. .08 - —
dms., works..lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works..lb. .06 - —
Sulphocyanide, CP, bbls..lb. .55 - —
jars..lb. .97 - —
tech., bbls..lb. .17 - .19
Thiocyanate (see Ammonia sulphocyanide).
Thioglycollate, highly purified, 100% basis, bbls..lb. 7.10 - 8.20
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works.... 100 lbs. 5.50 - 5.75
l.c.l., works..100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.45 - —
l.c.l., same basis. 100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., divd..lb. .25 - —
l.c.l., divd..lb. .25½- —
tanks, divd..lb. .24 - —
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .191 - —
l.c.l., same basis..lb. .201 - —
tanks, same basis..lb. .181 - —

GENERAL CHEMICAL RESEARCH ANNOUNCES

genetron*
100

first of its important series of ALIPHATIC ORGANIC FLUORINE COMPOUNDS

Long the leader in development of inorganic fluorides and fluoborates, General Chemical Fluorine Research now enters the field of organic chemistry as it presents the *Genetrons* . . . an important series of aliphatic organic fluorine compounds.

First of the group is *Genetron 100*, a product significant not only as a new industrial chemical, but also as the parent compound for this family of commercially valuable organic fluorine derivatives.

Its physical properties point to various applications . . . as a refrigerant; intermediate in the preparation of aerosol dispersants, dielectrics, high pressure lubricants, selective solvents, and mixed olefinic halide monomers. Some of these uses are already being confirmed by manufacturers who recognize the unusual industrial potentialities of this low-boiling organic liquid.

Genetron 100 may merit your thorough investigation, too. For experimental samples write General Chemical Company, Fluorine Division, 40 Rector Street, New York 6, N. Y.

genetron* 100
PHYSICAL PROPERTIES

Formula	CH_2CHF_2
Molecular Weight	66.05
Color	Colorless
Melting Point	—117.0° C
Boiling Point	—24.7° C
Density	1.004 at —25° C
Latent heat of vaporization	137 B.t.u./lb.

vapor pressure (p.s.i. abs)

—30° C	12.0
—10° C	25.9
10° C	53.8
30° C	108.0

BASIC CHEMICALS FOR AMERICAN INDUSTRY ©

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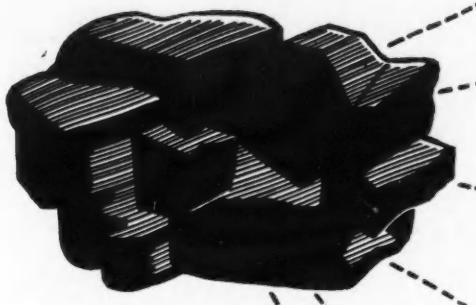
*Trade Mark, General Chemical Company

Ambergris, gray, tins..oz. 8.75 -12.00
Aminoethylpropanol, cns., dms., works..lb. .80 - .90
Aminopyrine, bots., dms..lb. 4.00 - 4.40
Ammonia acetate, reagent, crystals, bbls..lb. .34 - —
purified, bbls..lb. .32 - —
Anhydrous, fertilizer, tankcars, works, frt. equald..ton. 59.00 - —
pure, cyls..lb. .14½- —
refrigeration, tanks, works... ton. 61.50 - —
Aqua, 26°, cbys..lb. .05¼- —
dms., c.l..lb. .02¾- —
l.c.l..lb. .02½- —
tanks, works (NH_3 content). ton. 60.00 - —
Benzoate, USP, dms., kgs. 4,000 lbs., up, frt.alld..lb. .43 - —
smaller lots, frt. alld..lb. .44 - .47
Biborate, gran., bbls., N. Y. or Chi..lb. .1515- —
Bicarbonate, dms., c.l..lb. .0504- —
Bichromate, bbls..lb. .23 - .25
Bifluoride, bbls..lb. .15 - .15½
Borate, gran., bbls., kgs..lb. .1000- —
powd., bbls., kgs..lb. .1130- —
Bromide, gran., NF, bbls..lb. .28 - —
dms..lb. .29 - —
Powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms..lb. .06¼- .06¾
cns..lb. .14¾- .17¾
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .16
Citrate, dibasic, bbls..lb. .75 - —
dms..lb. .80 - .85
Fluoride, bbls..lb. No stocks
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms..lb. 1.25 - 1.37
jars..lb. 1.30 - 1.35
Iodide, NF, bots..lb. 3.71 - —
jars..lb. 3.65 - —
Linoleate, 80%, anhyd., bbls..lb. .12 - —
Molybdate,* c.p., cryst., kgs..lb. 1.20 - 1.25
fine cryst., bbls., kgs..lb. .84 - .87
purified, dms..lb. 1.10 - 1.15
Nitrate, fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point..ton. 32.00 - —
bulk, same basis..ton. 46.00 - —
tech., bgs., works..100 lbs. 4.35 - 4.50
bbls., works..100 lbs. 4.55 - —
Nitrate - limestone, 20.5% N. bgs., Hopewell, Va..ton. 32.50 - —
Oleate, dms..lb. .14 - —
Oxalate, fine gran., bbls..lb. .23 - —
dms..lb. .25 - .29
Perchlorate, kgs..lb. No stocks
Persulphate, kgs..lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs..lb. .27 - .30
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works..lb .07¾- —
monobasic, pure, bbls..lb. .39 - .41
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works..lb. .07¾- .08¼
Salicylate, NF, dms., kgs..lb. 1.15 - 1.16
Silicofluoride, bbls..lb. .15 - .18
Stearate, anhydrous, dms..lb. .34 - —
paste, dms..lb. .06½- —
Sulphamate, bbls., dms., works. lb. .18 - .20
Sulphate, bulk, producing ovens..ton. 30.00 - —
Sulphide, liquid, 40-45% basis 100%, dms., c.l., works..lb. .09 - —
l.c.l., divd..lb. .10 - —
tanks, divd..lb. .07½- —
red, 48%, cbys., works..lb. .08 - —
dms., works..lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works..lb. .06 - —
Sulphocyanide, CP, bbls..lb. .55 - —
jars..lb. .97 - —
tech., bbls..lb. .17 - .19
Thiocyanate (see Ammonia sulphocyanide).
Thioglycollate, highly purified, 100% basis, bbls..lb. 7.10 - 8.20
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works.... 100 lbs. 5.50 - 5.75
l.c.l., works..100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.45 - —
l.c.l., same basis. 100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., divd..lb. .25 - —
l.c.l., divd..lb. .25½- —
tanks, divd..lb. .24 - —
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .191 - —
l.c.l., same basis..lb. .201 - —
tanks, same basis..lb. .181 - —

Coal Tar Chemicals



CRESYLIC ACID

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TAR ACID OIL

INTERMEDIATES

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CABLE—"WILNEUBERG"

Amyl alcohol (see Alcohol, amyl).
Butyrate, dms. lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works. lb. .06 - —
l.c.l., works. lb. .08 - —
tanks, works. lb. .06 - —
Ether, dms., c.l., works. lb. .095 - —
l.c.l., works. lb. .102 - —
tanks, works. lb. .085 - —
Nitrite, USP, bots. lb. 1.70 - 1.85
Mercaptan, dms., works. lb. 1.10 - —
Salicylate, bots. lb. .68 - .85
Stearate, dms., works. lb. .42 - .45½
Apethol, com'l, dms., works. lb. .657 - .685
NF, dms. lb. 1.45 - 2.45
Angelica dom. atropurpurea root, bls. lb. 1.30 - 1.40
imported, natural, bls. lb. 2.50 - 2.60
Angostura bark, bls. lb. .28 - .30
Anilin oil, dms., c.l., works, frt. alld. lb. .12 - —
l.c.l., works, frt. alld. lb. .13 - —
tanks, works, frt. alld. lb. .11 - —
Salt, dms., works. lb. .22 - .24
Anise, Argentine, bgs., afloat. lb. .45 - .46
Argentine, futures lb. .46 - .47
Chinese, star lb. .21½- .22
Cyprus, bgs. lb. .45 - .46
Mexican, bgs. lb. .45 - .46
Syrian, bgs., futures. lb. .45 - .46
Turkish, bgs. lb. No stocks
Anisic aldehyde, dms. lb. 2.75 - —
cns., bots. lb. 2.90 - 3.05
Annatto, paste, bxs. lb. .34 - .39
Seed, bgs. lb. .12½- .13¾
Anthracene, 80-85%, bbls., works. lb. .55 - —
90%, bbls., works. lb. .65 - —
Anthraquinone, 99.5%, bbls. lb. .70 - —

Antimony butter (see Antimony chloride).
Chloride, solut., cbys. lb. .17 - —
Metal,[4] bulk, c.l., works. lb. .14½- .17½
needle,[6] Bolivian, brown, 67%, cs. lb. .16½ Nom.
Chinese, black, 70%, cs. lb. .20 - .22
Oxide,[6] ceramic grade, bgs., c.l. lb. .21 - —
l.c.l. lb. .21¾- —
paint grade, bgs., c.l. lb. .21 - —
l.c.l. lb. .21¾- —
Salt,[6] 65%, bgs., c.l., dlvd. E. of Miss. River. lb. No stocks
Sulphide,[6] 65-70%, bbls., c.l., works. lb. .17½- —
l.c.l., works. lb. .20 - .21
Antipyrine, bbls., kgs., ton. lb. 2.00 - —
smaller lots. lb. 2.10 - 2.20
Apomorphine, bots. oz. 23.20 -23.70
Archil extract, bbls. No stocks
Areca nuts, powd., bbls. lb. .17 - .18
Arecoline hydrobromide, bots. oz. 6.10 - 7.10
Argols, min. 70%, bgs., shipment port, 100 kilos (100% purity). 35.00 -36.00
Arnica flowers, bbls. lb. 1.60 Nom.
Arrowroot, powd., bgs., bbls. lb. .12 - .16
Arsenic, chloride (arsenous), bots. lb. 1.55 - —
Metal, lump, c.l. lb. No prices
Sulphide, yellow, bbls. lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, powd., kgs., c.l. lb. .05 - —
l.c.l. lb. .05¾- —
Asafetida, cs. lb. .65 - .70
powd., bbls., dms. lb. .72 - .77
Asbestine (see Talc, N. Y., fibrous).

Asbestos, fiber,[1] 3D and 5K, bgs., c.l. (20 tons), Cana. mines. ton. 49.50 - —
5R, bgs., c.l. (20 tons), same basis. ton. 44.00 - —
6D, bgs., c.l. (20 tons), same basis. ton. 33.00 - —
7D, bgs., c.l., same basis. ton. 28.50 - —
7F, bgs., c.l., same basis. ton. 26.50 - —
7K, bgs., c.l., same basis. ton. 19.00 - —
7M, bgs., c.l., same basis. ton. 16.50 - —
7R, bgs., c.l., same basis. ton. 15.50 - —
Asphaltum, Barbados, Dunellen, N. J. lb. .10½- —
California, dms., c.l. ton. 36.40 - —
l.c.l. ton. 41.40 - —
Cuba, A, bulk, c.l. ton. 60.00 - —
l.c.l. ton. 90.00 - —
B, bulk, c.l. ton. 38.50 - —
l.c.l. ton. 55.00 - —
Egyptian ton. No stocks
Gilsonite, brilliant black, selects, 340° F. fusing point, bgs., mines. ton. 30.00 -32.00
270-295° fusing point, bgs., mines. ton. 30.50 - —
seconds, 300-320° F. fusing point, not uniform, bgs., mines. ton. 25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines. ton. 30.50 - —
Manjak, No. 10, crude, dms., works. lb. .05½- .12
process form, bgs., works. lb. .05¾- .12
jet, bgs., 2,000 lbs., gross weight, Colo. mines. ton. 30.50 - —
Mexican, refd., dms., f.o.b. Tampico, Mex. metric ton. 27.50 - —
South American, refd., dms., c.l., N. J. refy. ton. 22.00 -23.00
l.c.l., same basis. ton. 24.00 -25.00
tanks, same basis. ton. 15.00 - —
Atropine, bots. oz. 9.85 - —
Sulphate, bots. oz. 7.35 - —

B

Balm of Gilead buds, bgs. lb. 2.25 - 2.50
Barbasco root (see Cube root).
Barberry root bark, bgs. lb. .75 - .80
Barbital, dms. lb. 3.50 - 3.60
sodium, dms. lb. 3.75 - 3.85
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works. ton. 43.00 - —
precip., bgs., c.l., works. ton. 60.00 -70.00
l.c.l., works ton. 65.00 -75.00
bbls., c.l., works. ton. 65.00 -75.00
l.c.l., works ton. 70.00 -80.00
Chlorate, kgs., works. lb. .27½- .31
Chloride, CP, cryst., bbls. lb. .25 - .27
pure, bbls., kgs. lb. .10 - .12
tech., cryst., bgs., c.l., works. ton. 78.00 - —
l.c.l., works ton. 78.00 - —
bbls., c.l., works. ton. 75.00 - —
l.c.l., works ton. 80.00 - —
Dioxide, dms., c.l., works. lb. .10 - —
l.c.l., works lb. .12 - .13
Fluoride, bbls. lb. .18 Nom.
Hydrate, crystals, bbls. lb. .06½- .07½
Hydroxide, bbls., works. lb. .15 - .16
Iodide, bots. lb. 4.02 - 4.62
Monoxide (see Oxide).
Nitrate, bbls., c.l., works. lb. .09½- .11½
l.c.l., works lb. .10 - .11½
Oxide, dms., c.l., works. lb. .11½- .12
l.c.l., works lb. .14 - .15
grd. dms., l.c.l., works. lb. .15 - .17
Peroxide (see Dioxide).
Silicofluoride, bbls. lb. .17 - .19
Stearate, ctns., 1 ton up. lb. .49 - —
smaller lots lb. .50 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls. lb. .09½- .10
kgs. lb. .12 - —
Barytes, air-floated, paper bgs., Barytes, water-grd., paper bgs., l.c.l., same basis. ton. 32.00 - —
ex whse., N. Y. ton. 42.00 - —
Southern, off-color, bgs., mines ton. 19.00 - —
95.75%, bgs., mines. ton. 20.00 - —
Ore, approx. 94% $BaSO_4$, bulk, mines. ton. 12.00 - —
Bauxite bulk, mines. ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs. lb. .12 - .13
Belladonna leaves, bls. lb. 2.50 Nom.
Root, bls. lb. 2.50 Nom.
Bentonite, 200 mesh, bgs., works. ton. 11.00 - —
325 mesh, bgs., works. ton. 16.00 - —
Benzaldeyde, NF, dms. lb. .70 - 1.20
tech., cbys., dms. lb. .65 - .80
Benzene (see Benzol).
Benzidin base, bbls. lb. .70 - —
Benzocaine, cns. lb. 3.20 - 3.55
Benzol (benzene), pcre, nitration and 90%, dms., works, gal. .20 - —
tanks, E. of Omaha, frt. alld. gal. .15 - —
W. Coast, Minnequa, Colo. gal. .15 - —
Benzophenone, dms. lb. 1.15 - 1.28
Benzoyl chloride, cbys. lb. .25 - .28
Peroxide, pure, gran., fib. ctns., works. lb. .90 - 1.05
Benzyl acetate, f.f.c., cns. lb. .68 - .70
dms. lb. .55 - .60
Alcohol (see Alcohol, benzyl).
Chloride, tech., cbys., works, frt. equald. lb. .20 - —
refined, cbys. lb. .21 - —
Cinnamate, cns. lb. 4.00 - 6.35
Formate, cns. lb. 2.10 - 2.75
Propionate, bots. lb. 1.80 - 2.45
Salicylate, bots. lb. 1.60 - 1.85
Benzylidinacetone, bots. lb. 2.60 - 2.70
Benzylisoeugenol, bots. lb. 9.50 - —
Berberine bisulphate, cns. lb. No stocks
Hydrochloride, bots. lb. No stocks
Sulphate, cns. lb. No stocks
Berberis root, bls. lb. .30 - .35
Betanaphthol, resublimed, dms., works. lb. .55 - .60
tech., bbls., c.l., works. lb. .21 - —
l.c.l., works lb. .23 - —
Benzoate, fib. dms., works. lb. 1.75 - —
Salicylate, dms. lb. 5.00 - —
Betanaphthylamine, tech., works, lb. .59 - —
Betagammapicoline, dms., c.l., works. lb. .24½- —
l.c.l., works lb. .25 - —
Betapicoline, 90%, ref. dms., c.l., works. lb. 1.60 - —
l.c.l., works. lb. 1.85 - —
95%, dms., works. lb. 2.05 - —
98-99%, works. lb. 2.20 - —
Beth root, bls. lb. .45 - .50
Bismuth chloride, jars. lb. 4.35 - —
Citrate, USP VIII, jars. lb. 2.97 - —
Hydroxide, cns. lb. 3.80 - —
Metal, ton lots lb. 1.30 - —
Nitrate, cryst., cns. lb. 1.60 - —
Oxychloride, cns., dms., kgs. lb. 3.60 - —
Subbenzoate, fib. dms. lb. 3.40 Nom.
Subcarbonate, USP, bbls., dms. lb. 2.40 - —
Subgallate, NF, fib. dms. lb. 2.35 - —
Subiodide, fib. dms. lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms. lb. 2.00 - —
Subsalicylate, USP, bbls., fib. dms. lb. 2.90 - —
Sulphocarbolate, fib. dms. lb. 3.65 Nom.
Bismuth-ammonia citrate, USP, powd., dms. lb. 3.40 - —
Black, acetylene, bgs., c.l., works. lb. .14 - —
l.c.l., works. lb. .15 - —
Bone 1A, bgs., bbls., c.l., frt. alld. dest. lb. .19 - —
1, bgs., bbls., c.l., same basis. lb. .15½- .16½
2 bgs., bbls., c.l., same basis. lb. .19 - .15½
3 bgs., bbls., c.l., same basis. lb. .14 - .14½
4, bgs., bbl., c.l., same basis. lb. .12 - .15
5, bgs., bbls., c.l., same basis. lb. .10½- .11
6, bgs., bbls., c.l., same basis. lb. .10½- .11
457, bgs., bbls., c.l., same basis. lb. .11¾- —
7, bgs., bbls., c.l., same basis. lb. .12½- .14
8, bgs., bbls., c.l., same basis. lb. .14½- .15
490A, bgs., bbls., c.l., same basis. lb. .05½- —
Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher
Carbon, channel, compressed, beads, bulk, c.l., works. lb. .02¼- —
bgs., c.l., works. lb. .02¾- —
l.c.l., works. lb. .03¼- —
dlvd. or whse. lb. .0370- —
uncompressed, regular, bgs., c.l., works. lb. .03½- —
bgs., stns., l.c.l. dlvd. or whse. lb. .1030- —

To a man in a diver's suit, well-dressed means well-*protected*. A product in a metal container has the same problem. And, in the case of National cans, more than just one kind of protection is demanded.

Air-tightness as well as water-tightness stems from the successful efforts of National Can engineers to make can seams that are second to none. Our work on seams goes back nearly half a century.

If they had time these days, our engineers could stand up and take a bow for their ingenuity and downright helpfulness in getting to the bottom of protection problems. And, busy as they are, they want you to keep sending in your problems.

NATIONAL CAN CORPORATION

EXECUTIVE OFFICES: 110 EAST 42nd STREET, NEW YORK 17, N. Y.

Sales Offices and Plants: Baltimore, Md. • Chicago, Ill. • Hamilton, Ohio • Boston, Mass. Detroit, Michigan • Indianapolis, Ind. • Maspeth, New York • McKeesport, Pa. • St. Louis, Mo.

Black, carbon, furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse.....lb. .07½- —
SRF, bgs., c.l., works..lb. .08½- —
ctns., l.c.l., whse.....lb. .09 - —
Thermatomic, bgs., c.l., works, La..lb. .04 - —
l.c.l., whse. Trenton, N. J. lb. .06½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½- —
Lamp, 1, ctns., c.l., works..lb. .08½- —
l.c.l., works.....lb. .09 - —
3, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14½- —
l.c.l., works.....lb. .15½- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .21 - —
6, ctns., c.l., works.....lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04½- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05½- —
kegs.....lb. .09 - —
Black dyes (see Dyes).
Black haw root bark, bls.....lb. .32 - .34
Tree bark, bls.....lb. .35 - .40
Black Indian hemp root, bls..lb. .55 - .60
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.00 - —
direct process, bgs., c.l., works..ton.70.00 - —
bbls., c.l., works...ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 55%, bbls., c.l., works, ton.40.00 - —
l.c.l., same basis....ton.40.00 - —
Bleaching powder,[5] dms., c.l., works..100 lbs. 2.50 - 2.10
l.c.l., works.....100 lbs. 2.75 - 2.80
Blood, dried, 16-16½% ammo., bgs..unit-ton.10.50 - —
high-grade, unground, 16-17% ammon., bulk, Chicago, unit-ton.10.50 - —
soluble, bgs., c.l., Chicago..lb. .13½- —
l.c.l., Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. .55 - .60
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. 1.75 - 1.90
toner, bbls., same basis....lb. 1.10 - —
Celestial, bbls., same basis..lb. .10 - .12
Chinese, bbls., same basis..lb. .30 - —
Cobalt, genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, full strength, bbls., same basis, lb. 3.50 - 3.75
80%, bbls., same basis..lb. 3.00 - —
green shade, bbls., same basis, lb. 4.50 - 4.80
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Milori, bbls., same basis....lb. .36 - —
Molybdated, Victoria, bbls., same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent toner, green shade, molybdic, bbls., same basis, lb. 3.50 - —
tungstic.....lb. 4.00 - —
Potash, CP, bbls., same basis, lb. .45½- —
Prussian, bbls., same basis.lb. .36 - —
soluble, bbls., same basis.lb. .36 - —
Soda, CP, bronze, bbls., same basis..lb. .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis, lb. .23 - .27
jobbing type, dry, bbls., same basis lb. .12 - .13
regular types, dry or pulp, bbls. same basis. lb. .17 - .27
Victoria, toner, molybdic, bbls., lb. 3.15 - —
tungstic, bbls.....lb. 3.30 - 3.55
ink toner, bbls., same basis, lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.96 - —
Violet toner, molybdic, bbls., same basis..lb. 1.24 - —
tungstic, kgs., same basis..lb. 2.10 - —
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1½c); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph: 1.6c. higher. Pac. Coast: Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Blues dyes are listed under Dyes.
Blue mass, NF, cns., tube....lb. 1.68 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.75
Bluedag, root, bls.....lb. No stocks
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, bulk, Chicago....ton.57.00 -65.00
junk, bulk, same basis....ton.44.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works, ton.65.00 - —
Chicago, works....ton.75.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.70.00 - —
Chicago, works....ton.80.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works, ton.60.00 - —
Chicago, works....ton.60.00 - —
Phosphate, defluorinated (see D).
Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls.....lb .16 - .17
Borage flowers bls.....lb. .60 - .62
Borax, tech., 99¼% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse....ton.56.00 - —
less ton lots, ex whse ton 61.00 - —
bbls., c.l., frt. alld....ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
powd., bgs., c.l., frt. alld.. ton.50.00 - —
ton lots, ex whse....ton 61.00 - —
less ton lots, ex whse.ton 66.00 - —
bbls., c.l., frt. alld....ton 60.00 - —
ton lots, ex whse....ton 71.00 - —
less ton lots ex whse.ton 76.00 - —
USP, $15 per ton higher
Bordeaux mixt, dms c.l., whse., works frt. alld..lb. .11 - —
l.c.l., same basis.....lb. 11¼- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate)
Brimstone (see Sulphur).
Bromine, purified ex c.l., frt. alld E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld E. of Rockies..lb. .23 - —
single pkgs., same basis.lb. .28 - —

Brasilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromstyrol.....lb. 4.85 - 6.25
Bronze powder, aluminum (see A).
Gold, litho., 100-lb. cns., dms., works..lb. .50 - .60
gold, moulding, 100-lb. cans, dms., same basis..lb. .80 - 1.00
printing ink, 100-lb. cns., dms., same basis..lb. .95 - 1.10
radiator, 100-lb. cns., dms., same basis..lb. .60 - .65
Broomtop, bls.....lb. .29 - .30
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bbls., c.l., works.lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered.....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .06½- .08
pap. bgs., c.l., same basis. lb. .0235- —
Italian type, bbls., works. lb. .08¾- .09¾
raw, American, bbls., works, lb. .04 - .10
Italian type, bbls., works. lb. .08 - .10
Umber, burnt, American, bbls., works..lb. .06¼- —
Italian-type, bbls., works.lb. .04¾- —
Turkey-type, bbls., c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¼- —
Minneapolis.....lb. .0535- —
Pittsburgh.....lb .05 - .

Brown, umber, Turkey-type, bbls., c.l., Los Angeles..lb. .05¾- —
Portland, San Francisco, Seattle..lb. .06½- —
ex whse., Los Angeles. lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works.lb. .09 - —
special, bbls., works.....lb. .13 - —
Brucine, cns., 100 ozs.....oz. .38 - .42
Sulphate, cns., 100 ozs.....oz. .32 - .34
Bryonia root, bls.....lb. .55 - .60
Buchu leaves, bls.....lb. .80 - .85
Buckthorn bark, bls.....lb. .45 - .46
Berries, bgs.....lb. 1.00 - 1.10
Burdock root, bls.....lb. .55 - .65
Burgundy pitch, dom., dms...lb. .14 - .16
Butane, indust., tanks, Group 3, gal. .08½- —
Butyl acetate, normal, ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss R..lb. .234 - —
l.c.l., same basis..lb. .239 - —
tanks, same basis..lb. .224 - —
tankwagon, same basis. lb. .229 - —
other production, dms., c.l., same basis..lb. .277 - —
l.c.l., same basis....lb. .282 - —
tanks, same basis....lb. .267 - —
synthetic, dms., c.l., same basis..lb. .15½- —
l.c.l., same basis..lb. .16 - —
tanks, same basis...lb. .14½- —
secondary, dms., c.l., dlvd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .06½- —
Normal butyl acetate, W. of Miss. R., ½c per lb. higher.
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ether (see Ether, butyl).

Butyl lactate, dms., c.l., frt. alld. E. of Rockies..lb. .38 - —
l.c.l., same basis.....lb. .39½- —
tanks, same basis.....lb. .37 - —
Laurate, dms., works.....lb. .43 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works, lb. .25 - —
tech., dms., c.l., works....lb. .24 - —
l.c.l., works.....lb. .24½- .25½
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd.....lb. .16½- .17
tanks, dlvd.....lb. .15½- —
Stearate, dms., l.c.l., frt. alld. E. of Rockies..lb. .17 - —
Butyric ether, bots.....lb. 6.50 - 6.90
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - .70

C

Cadmium bromide, bots.....lb. 1.64 - 1.81
jars.....lb. 1.65 - 1.70
Iodide, bots.....lb. 4.25 - —
cns.....lb. 4.00 - —
Lithopone (see Yellow).
Metal,[3] ingots or sticks, dlvd. lb. 1.30 - 1.60
pat. shapes, cs., dlvd....lb. 1.35 - 1.65
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, dms., 100 lbs. or more. lb. 3.75 - —
anhydrous, dms., 100 lbs. or more..lb. 4.00 - —
Citrated, dms., 100 lbs. or more, lb. 2.50 - —
Hydrobromide, bots.....lb. 5.91 - 5.99

Spot Deliveries

GUM ARABIC Clean Amber Sorts
Sphinx Brand

RESORCINOL U.S.P. Recrystallized
BENZYL CINNAMATE
CINNAMIC ACID
PHOSPHORIC ACID 75% Edible Food Grade
PHOSPHORIC ACID U.S.P. Syrupy
MAGNESIUM METAL POWDER High Purity
HEAVY CALCINED MAGNESIA White
SILVER CYANIDE
BORIC ACID
PHOSPHORUS Red Amorphous
POTASSIUM CYANIDE
SODIUM PERBORATE U.S.P.
CHROMIC ACID
ANILIN OIL

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NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE
NICKEL OXIDE, etc.

GOLWYNNE
CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

Calabar beans, bgs., futures, lb. .65 - .80
Calamus root, natural, dom., bls, lb. .45 - .50
imported, bleached, bls..lb. .70 - .85
Calciferol, in corn oil, dms., 10,000 units or more, works, unit. .10 - —
1,000 to 10,000 units, works, unit. .11 - —
less than 1,000 units, works, unit. .12 - —
Calcium acetate, bgs., dlvd.... 100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., wks., frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Bromide, N.F., jars.....lb. .65 - .70
Carbide, dms., c.l., works..ton.50.00 - —
dlvd. .....ton.87.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .28 - .30
flake, 77-80%, paper bgs., c.l., dlvd..ton.18.50 -33.00
l.c.l., dlvd.....ton.28.50 -51.65
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, 73-75%, dms., c.l., dlvd. ton.18.00 -37.50
l.c.l., dlvd.....ton.28.00 -50.65
Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.
Cyanide, dms., delivered E. of Rockies..lb. .20 - .40
Gluconate, USP, gran., bbls.lb. .32 - —
dms. .....lb. .37 - .39
cns. .....lb. .76 - —
powd., 2c. per lb. lower.
Glycerophosphate, fiber dms., N.F., pound, fib. dms..lb. 1.90 - —
Calcium hypochlorite, dms., dlvd. E. of Rockies..lb. .22 - .26½
cans, in cases, same basis..lb. .37½- .42½
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls.....lb. .33 - .40
Laurate, bbls.....lb. .28 - .30
Mandelate, USP, dense, fluffy, works, dms..lb. 2.05 - 2.30
Naphthenate, 5% Ca, 50-gal. dms..lb. .25½- .26½
Panthothenate, doz., 100-gram bots, works..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07½
less than 10, works.....lb. .08 - .10
medicinal, dibasic, bgs..... 100 lbs.11.40 -18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05½- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
bgs., l.c.l., works.....lb. .0645- .0680
Resinate, precip., 5.8% Ca, 100-lb. dms..lb. .18½- —
Silicate, hydrated, c.l., bgs., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., stns., 2,000 lbs. to c.l., works..lb. .45 - —
l.c.l., works.....lb. .46 - —
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works. ton.45.00 - —
80%, bgs., c.l., works...ton.50.00 - —
luminous, tins, works....lb. 1.25 - —
Sulphocarbolate, bbls. .....lb. .49 - .50
Tallate, 3%-4% Ca, 50-gal. dms. lb. .13¼- .19¼
Calcium-strontium sulphide, phosphorescent, dms., works.lb. 1.00 - 1.50
fine particle size, works. lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 1.15 - 1.20
Calomel, bbls., dms.....lb. 2.44 - 2.46
Camphor, natural .....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works.lb. .54 - —
10 bbls. (1,500 lbs.)....lb. .56½- —
5 to 9 bbls. .....lb. .57 - —
1 to 4 bbls.....lb. .58 - —
smaller lots .....lb. .60 - .67
USP, gran., powd., bbls., 2,000-lb. lots..lb. .81 - —
1,000-lb. lots .....lb. .82 - —
smaller lots .....lb. .83 - —
tablets, 2,000-lb. lots....lb. .94 - —
1,000-lb. lots .....lb. .95 - —
smaller lots .....lb. .96 - —
Monobromated, dms.....lb. 3.20 - —
Canada balsam (see Fir balsam).
Cantharides, Russian, bgs.....lb. 8.00 Nom.
Chinese, cs.....lb. 7.00 - 7.25
powd., bxs.....lb. 7.50 - 7.75
Capsicum (see Pepper, red).
Capsicum oleoresin, USP VII, cns..lb. 4.50 - 4.65
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed, California, Dutch type..lb. .25½- .26
Caraway seed, Danish, bgs....lb. .26 - .26¼
Dutch, bgs. .....lb. .25¾- .26¼
futures, bgs. .....lb. .26 - .26½
Spanish, dewhiskered, bgs..lb. No stocks
Swedish, bgs. .....lb. .23½- .24
Syrian, dewhiskered, bgs....lb. No stocks
Carbasole, 50%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb .80 - —
55%, dms., ton lots, works..lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. dms., l.c.l., works..lb. .27 - —
secondary, dms., l.c.l., works. lb. .26 - —
Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works .....lb. .23½- —
tanks, works .....lb. .21½- —
Methylisobutyl, dms., c.l., nearest delivery point buyer's works..lb. .11¾- —
l.c.l., same basis.....lb. .12½- —
tanks, same basis.....lb. .10¾- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .06¾- —
5-gal. dms., c.l., same basis. lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08¾
Dioxide, cyls. .....lb. .06 - .06
Tetrachloride, c.p., dms., c.l., gal. .96 - —
l.c.l. .....gal. 1.04 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .78 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .90 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.13 - —
l.c.l., frt. alld.....gal. 1.23 - —
Zone 4, 52½-gal. dms., c.l., gal. .79 - —
l.c.l., frt. alld.....gal. .86 - —
5 or 10-gal. dms., c.l..gal. 1.08 - —
l.c.l. .....gal. 1.18 - —
USP, chys.....lb. .17 .19
Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.
Cardamom, bleached, bold, cs., lb. 1.75 - 1.80
medium, cs.....lb. 1.55 - 1.60
decorticated, Guatemala, cs..lb. 1.35 - 1.40
India, cs.....lb. 1.35 - 1.40
green, Alleppey, bgs.....lb. 1.05 - 1.10
Carotene, cryst., 1,850,000 A units per gm., tins, works, 1,000,000 units. .50 - —
research grade (alpha, 10%; beta, 90%), amps. 100 grams, dlvd..gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
in vegetable oil, 200,000 USP units per gm., bots., works. lb.27.50 - —
50,000 USP units per gm., bots., works..lb. 3.42 - —
dms., works.....lb. 7.08 - —
3,000 A units per gm., tins, works, 1,000,000 units. .55 - —
dms., works..1,000,000 units. .50 - —
3,500 USP units per gm., dms., works..lb .66 - .71
Carvol, bots. .....lb.14.75 -23.00
Cascara sagrada bark, bulk....lb. .40 - .45
Case-hardening mixture, 30% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. 09¾- —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more, ship't point..lb. No prices
2,000 lbs. or more, but under 10,000 lbs., same basis..lb. No prices
less than 2,000 lbs., same basis..lb. No prices
rennet-precip., 10,000 lbs. or more, same basis..lb. No prices
2,000 lbs. or more, but under 10,000 lbs., same lb. No prices
less than 2,000 lbs.....lb. No prices
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. No prices
reanet-precip., unground, 100 bgs. or more..lb. No prices
Cassia, Batavia No. 1, Thinquill bls..lb. .60 Nom.
No. 1, regular, bls.....lb. Nominal
shortstick, bls.....lb. .50 Nom.
broken, bls.....lb. .48 Nom.
China buds, bgs.....lb. .26 - .27
Kwangsi, broken, bls.....lb. .19 - .20
rolls, selected, cs.....lb. .17 - .17½
extra select, broken, bls..lb. .14 - .14½
Saigon, all medium.....lb. .42 - .43
4-10-4, bls. .....lb. .40 - .41
Cassia fistula, bskts.....lb. .26 - .28
Castor bean, bgs., Brazilian ports, long ton.240.00 -245.00
Oil (see Oil, castor).
Pomace, bgs., c.l., works...ton.35.00 -37.50
Castoreum, nat., cns.....lb. 8.00 -13.00
synthetic, cns. .....lb.10.00 -21.00
Catechol, CP, cryst., works, fib. dms., frt. alld..lb. 1.90 - —
resublimed, works, frt. alld., dms..lb. 2.25 - —
Catnep, bls. .....lb. .65 - .70
Celery seed, French, bgs.....lb. .50 Nom.
Indian, bgs. .....lb. .24½- .25
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt alld on 100 lbs. or more..lb. .36 - —
granules, ctns., same basis.lb. .42 - —
Acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns, 5,000 lbs. and up, frt. alld.....lb. .51 - —
1,000-4,900 lbs. frt. alld..lb. .52 - —
50-lb. ctns., 100-900 lbs. frt. alld..lb. .53 - —
smaller pkgs., works.lb. .54 - —
medium (15.5 or 17.0%), 50-lb. ctns., 5,000 lbs and up, frt. alld..lb. .49 - —
1,000-4,900 lbs. frt. alld..lb. .50 - —
100-900 lbs., frt. alld..lb. .51 - —
smaller pkgs., works..lb. .52 - —
Granules are 6c. per lb. higher, all quantities.
Acetate-propionate, flake, high (31.5% propionyl content), 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works..lb. .48 - —
Granules are 5c. per lb. higher all quantities.
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .40 - —
Cerium hydrate, dms., works..lb. 1.00 - —
Oxalate, NF, bbls., kgs., works, lb. .50 - .52
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.75 - —
bgs., smaller lots, works.lb. 2.25 - —
Chalk precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works..lb. 02¾- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works. ton.32.50 -40.00
rubbermakers, bgs., c.l., works..ton.30.00 - -

TIMES MAY DIFFER BUT LEMKE QUALITY—NEVER

Each Lemke product is carefully tested by experienced analytical chemists to assure *highest* and *uniform* quality *at all times*.

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Acid Camphorsulfonic
Acid Iodo-Oxyquinoline Sulfonic
Acid Nucleic
Allantoin
Benzil Cinnamate
Betanaphthol Benzoate
Bismuth Iodosubgallate
Bromo-Isovalerylurea
Calcium Camphorsulfonate
Calcium Magnesium Phytate
Calcium Pantothenate, Racemic
Carbamylcholine Chloride
Carbarsone, USP
Carbromal, NF
Chiniofon, USP
Chloro-Iodo-Oxyquinoline
Desoxyephedrine Hydrochloride
Diiodo-Oxyquinoline
Diiodotyrosine
Diphenylhydantoin Sodium, USP
Hexatol (Methenamine Anhydromethylenecitrate)
Hexylresorcinol
Homatropine Methylbromide
Lithium Succinate
Menadione, USP
Menadione Sodium Bisulfite, USP
Nikethamide
Oxyquinoline Base
Oxyquinoline Benzoate
Oxyquinoline Sulfate
Pentobarbital Sodium, USP
Phenacaine Hydrochloride, USP
Phenetsal
Phenylsemicarbazide
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Sodium Cacodylate, USP
Sodium Dimethylamine Tolylphosphinite
Sodium Camphorsulfonate
Sodium Methylarsonate
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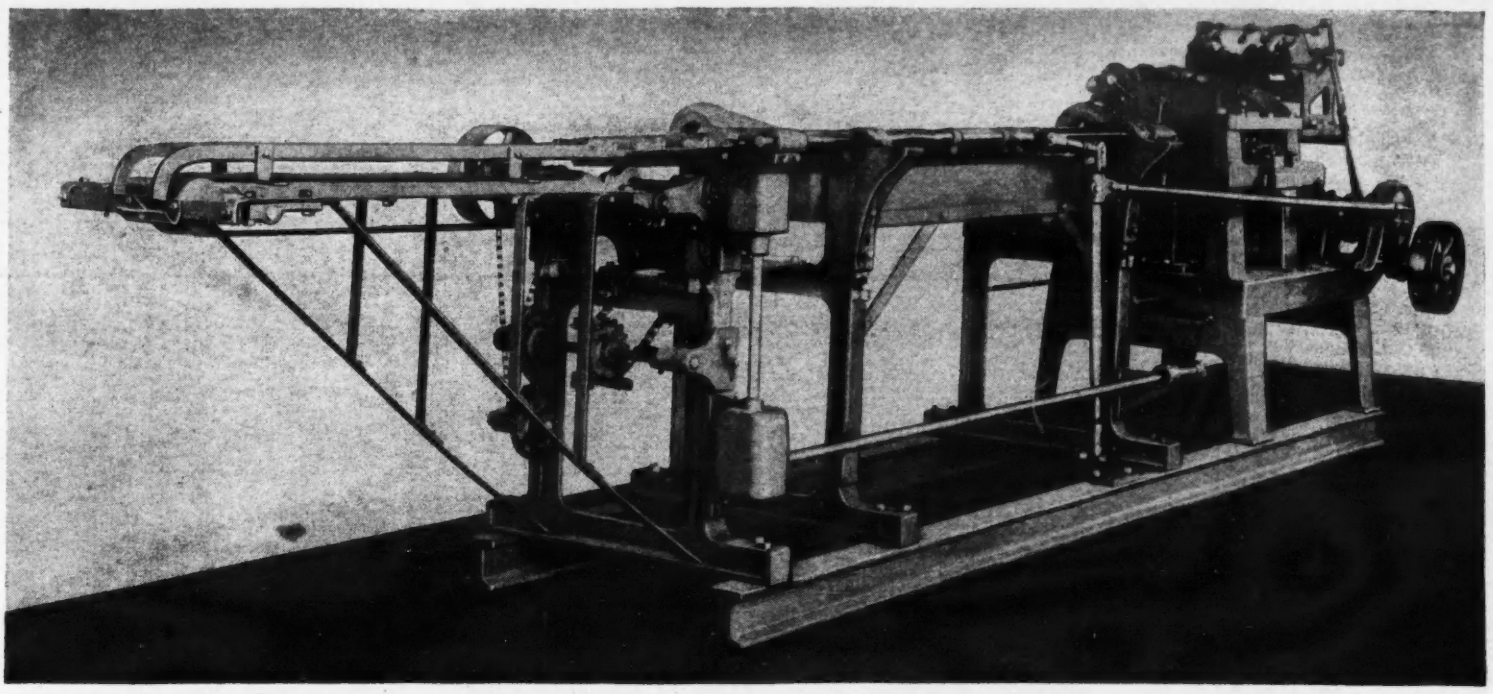
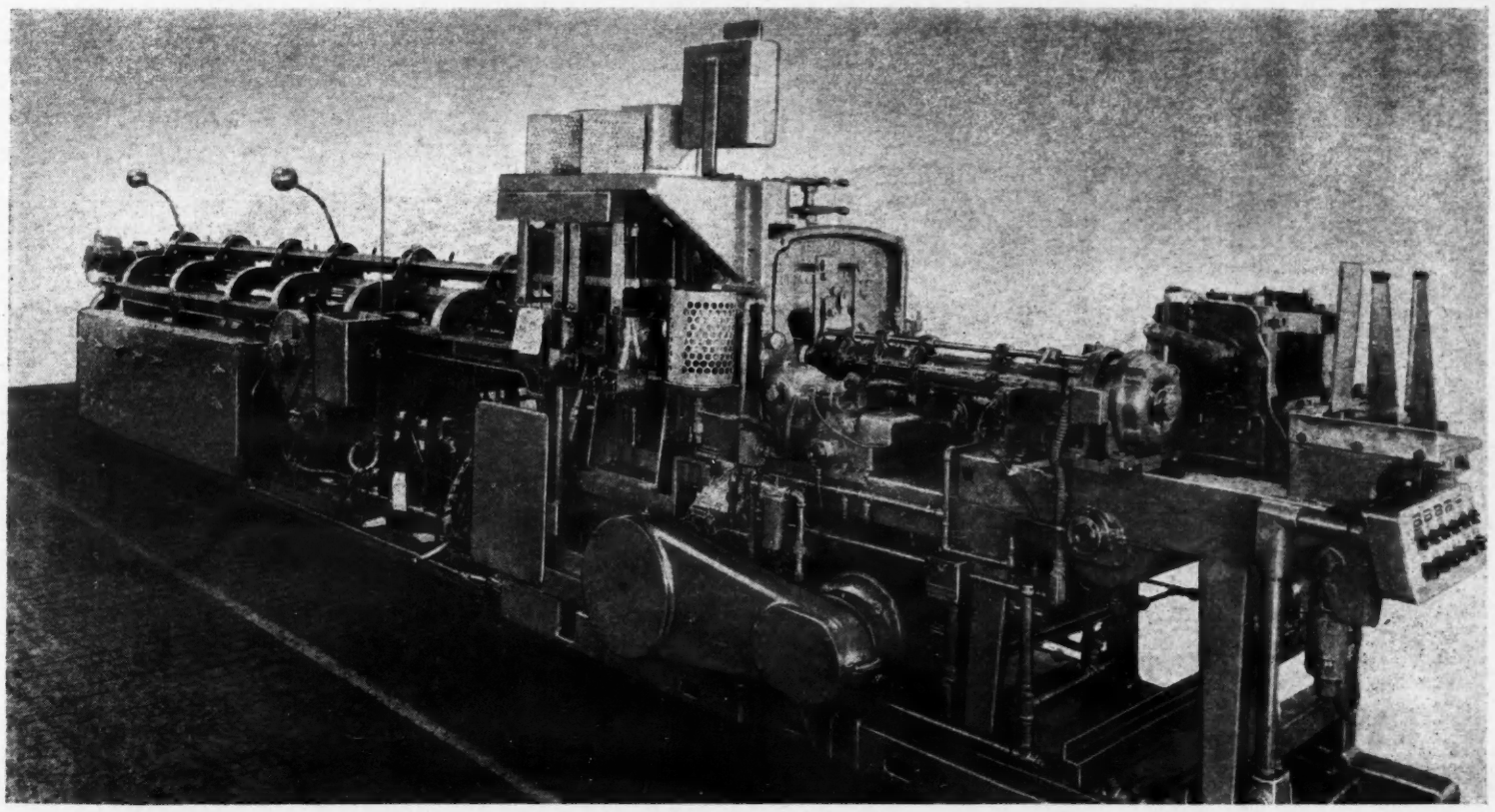


In 1904, this old-type can-making machine was a nine days' wonder . . . the last word in container production. You were rightly proud of it.

Geared to the nation's modest industrial requirements of that day (less than $42,000,000 worth of cans), it produced 75 containers a minute.

Nothing sensational by today's standards, but it did the job of supplying American industry with a round, metal package in limited quantity.



Today it's another story . . . *packaging* is a *must*—and the day of the open cracker barrel—that popular 1904 container—is almost a forgotten memory.

Packaging companies have accepted the challenge! (More than $400,000,000 worth of metal containers in 1945.) . . . Modern machines like this speed out 400 containers a minute. But more important . . . modern containers of all kinds MEET EXACT SPECIFICATIONS. They *must* in this day and age.

Now, consumer goods appear in metal and fiber packages in a multitude of sizes and shapes to hold a multitude of products.

This year . . . as never before . . . the container-making industry is striving to supply the unprecedented demands of package-conscious America.

AMERICAN CAN COMPANY • NEW YORK • CHICAGO • SAN FRANCISCO CANCO **No other container protects like the can**

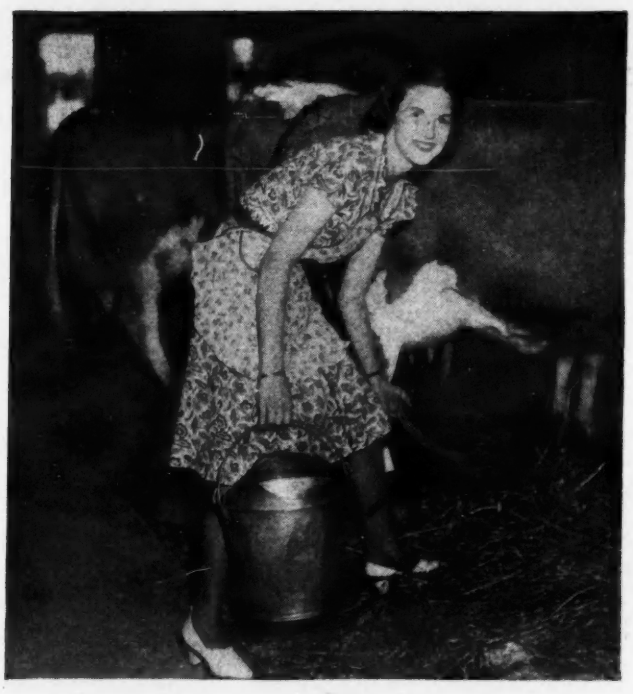
Chamomile, Hungarian, cs., fu- tures	lb. .70	- .75
Roman, bls., futures	lb. 1.55	- 1.60
Charcoal, hardwood, lump, bulk, c.l., works	ton.43.50	- —
bur, bgs., extra, returnable, c.l., works	ton.45.50	- —
briquets, bulk, c.l., works	ton.61.70	- —
bgs., c.l., works	ton.66.70	- —
granular, all grades, bgs., works	ton.58.50	-64.50
screenings, bgs., works	ton.33.50	- —
Pinewood,[7] lump, bgs., c.l., Southern shipping point	ton.35.00	—
granular, powd., bgs., c.l., works, South.	ton.40.00	- —
l.c.l., works	ton.50.00	-60.00
Willow, powd., bbls	lb. .06	- .07
Chestnut extract, standard 25% tannin, bbls., c.l., works	100 lbs. 3.82	- 4.60
l.c.l., works	100 lbs. 4.07	- 4.85
tanks, works	100 lbs. 3.22	- 4.00
powdered, 65% tannin, bags extra, c.l., works	100 lbs. 9.02	- 9.96
l.c.l., works	100 lbs. 9.77	-10.71
Chillies (see Pepper, Red).		
China clay, dom., dry-grd., air-float, 99.75%, 200 mesh, bgs., c.l., works	ton. 9.50	- —
l.c.l., works	ton.16.00	- —
bulk, c.l., works	ton. 7.60	- —
200 mesh, bgs., c.l., works	ton. 8.50	- —
l.c.l., works	ton. 9.50	-15.50
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works	ton. 9.50	- —
paper bgs., c.l., works	ton.12.50	- —
imported, white, lump, bulk, c.l., ex dock Baltc, Boston, Norfolk, Philia.	ton.19.00	-21.00
powd., cks., l.c.l., ex whse.	ton.41.00	- —
Chloral hydrate, jars	lb. .93	- .98
dms.	lb. .90	- .95
Chlorinated rubber, standard, ctns., 100 lbs. up, works	lb. .32	- —
smaller lots, works	lb. .35	- —
1-lb. bots., ex whse	lb. 1.25	- —
Chlorine, liquid, cyls., c.l.	lb. .05½	- —
contracts	lb. .05¼	- —
l.c.l.	lb. .07¼	- —
tanks, single units, works, frt. equald.	100 lbs. 2.00	- —
works, frt. equald.	100 lbs. 2.30	- —
2, wks., frt. equald.	100 lbs. 2.90	- —
1, wks., frt. equald.	100 lbs. 3.50	- —
Chloroform, tech., dms.	lb. .20	- .28
USP, dms.	lb. .30	- .33
Chloropicrin, com'l, 100 lb. cyl., 100-lb. cyls., same basis	lb. .32	- —
25-lb. cyls., ex whse	lb. 1.00	- —
1-lb. bots., ex whse	lb. 1.25	- —
Choline chloride, fib. dms., works.	lb. 3.00	- 3.10
Dihydrogen citrate, fib. dms., works	lb. 3.00	- 3.10
Chrome acetate, powd., 73% Cr., bbls., works	lb. .32	- .34
ton lots, works	lb. .30	- .32
solut., 7½%, bbls., cs.	lb. .05½	- —
8½%, bbls., cs.	lb. .06¾	- —
Fluoride, bbls., works	lb. .24	- .27
Cake, bulk, c.l., works	ton.16.00	- —
Oxide (see Green, chrome oxide).		
Trioxide (see Acid, chromic).		
Yellow (see Yellow, chrome).		
Chrysarobin, bots	lb. 6.02	- 6.60
Cinchona bark, red, quill, USP, 60 lb. can	lb. 1.30	Nom.
Cinchonidine, small, cryst., cns., 100 ozs.	oz.	No prices
Cinchonine, small, cryst., cns., 100 ozs.	oz.	No prices
large, cryst., cns., 100 ozs.	oz.	No prices
Sulphate, NF, cns., 100 ozs.	oz.	No prices
Cinchopen, NF, heavy, dms., works	lb. 3.70	- 3.80
standard, dms., works	lb. 3.50	- 3.60
Cinnamic alcohol (see Alcohol, cinnamic).		
Aldehyde, cbys., cns., dms.	lb. .83	- 1.25
Cinnamon, Ceylon, No. 2, bls., futures	lb. 1.25	- 1.30
Citral, bots., cns.	lb. 7.25	- 9.65
Citronellal, bots., dms.	lb.	No prices
Citronellol, bots., dms.	lb. 9.50	-12.50
Clove, Madagascar, bls.	lb. .13¼	- .13¾
futures, bls.	lb. .13¼	- .13¾
Zanzibar, bls.	lb. .13½	- .16
futures, bls.	lb. .12¾	- .13¼
Clover tops, red, dom., bgs.	lb. .70	- .75
imported, bgs.	lb.	No stocks
Coaltar, coal-gas, crude, 50 gal., bbls., c.l., works	bbl. 8.50	- —
l.c.l., works	bbl. 9.00	- —
tanks, works	gal. .08	- .08½
refd., 50-gal., bbls., c.l., works,	bbl. 9.00	- —
l.c.l., works	bbl. 9.50	- —
tanks, works	gal. .09	- .09½
water-gas, crude, 565-gal. dms., c.l., works	bbl. 8.50	- —
l.c.l., works	bbl. 9.00	- —
refd., 55-gal. dms., c.l., works,	dm. 9.00	- —
l.c.l., works	dm. 9.50	- —
Cobalt acetate, bbls., kgs., dive.	lb. .33¾	- —
feed grade, 23¼% Co, kgs.	lb. 1.25	- —
Carbonate, powd., bgs., works.	lb. 1.38	- —
feed grade, 49¼% Co, kgs.	lb. 1.85	- —
Chloride, kgs., works	lb. .87½	- —
feed grade, 24.5% Co, kgs.	lb. 1.25	- —
Hydrate, bbls	lb. 2.04	- —
feed grade, 62% Co, kgs.	lb. 2.25	- —
Linoleate, paste, 6%, dms.	lb. .60	- —
solid, 8½%, dms	lb. .67	- —
Nitrate, feed grade, 20.4% Co, kgs.	lb. 1.25	- —
Oleate, bbls	lb. .44	Nom.
Oxide, black, kgs	lb. 1.54	- —
Phosphate, feed grade, 34% Co, kgs.	lb. 1.75	- —
Resinate, precip., 7.5% Co, 100-lb. dms.	lb. .33½	- —
Soyate, 3%-3.5% Co, 50-gal. dms.	lb. .42	- .44
Sulphate,[8] dms	lb. .65	- —
feed grade, 21% Co, kgs.	lb. 1.00	- —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.		
Cobalt-ammonium sulphate, 14% Co, kgs.	lb. .75	- —
Cocaine hydrochloride, 100-oz. lots, cns.	oz. 9.75	- —
Cochineal, gray, bgs.	lb. .46	- .47
silver, Teneriffe, bgs.	lb. .47	- .48
Cocoa butter, bulk, ship. pt.	lb. .38	- —
Cocillana bark, bgs	lb. .53	- .54
Codeine, cns., 100 ozs.	oz. 11.70	- —
Hydrochloride, cns., 100 ozs.	oz. 10.50	- —
Phosphate, cns., 100 ozs.	oz. 9.00	- —
Sulphate, cns., 100 ozs.	oz. 9.50	- —
Codliver oil (see Oil, codliver).		
Cohosh root, black, bls	lb. .24	- .25
blue, bls	lb. .24	- .25
Colchinine, bots., cns.	oz.	No stocks
Colchicum seed	lb.	No stocks
Collodion, USP, dms.	lb. .24	- —
Flexible, USP, dms.	lb. .25½	- —
Colocynth pulp, bls.	lb. .52	- .53
Colombo root, bls.	lb. .14	- .15
Coltsfoot leaves, bgs.	lb. .57	- .60
Condurango bark, bgs., futures.	lb. .28	- .30
Copaiba balsam, Para, cns.	lb.	No stocks
S. A., USP, cns.	lb. .95	- 1.00

Copper acetate, cupric, bbls., works	lb. .23¼	- —
smaller containers, wks.	lb. .27	- —
Carbonate, 52-54%, bbls.	lb. .19¼	- .20¼
Chloride, anhyd., bbls.	lb. .24½	- —
crystals, bbls.	lb. .16¼	- —
Cyanide, tech., bois	lb. .44	- .58
Hydrate, dms.	lb. .24½	- —
Iodide, bots.	lb. .34	- .38
Metal, electrolytic	lb. .19½	- —
Naphthenate, 8% Cu, 50-gal. dms.	lb. .19	- —
Nitrate, tech., cryst., bbls.	lb. .19¼	- .20½
Oleate, precip., bbls	lb. .22½	- .23½
Oxide, black, bbls., works	lb. .19	- .20
red, com'l, bbls., works	lb. .21	- .24½
Oxychloride-sulphate,[9] bgs.	lb. .17	- .20
bgs.	lb. .17	- .20
Resinate, precip., 8.5% Cu, 125-lb. dms.	lb. .18¼	- —
Stearate, bgs., works	lb. .35½	- —
Sulphate, 99%, cryst., bgs., c.l., works	100 lbs. 7.10	- —
l.c.l., 700 to 30,000 lbs	100 lbs. 7.25	- —
monohydrated, dms., c.l., dlvd	100 lbs.12.10	- —
l.c.l., dlvd	100 lbs.12.95	- —
tribasic, bgs., works, c.l.	lb. .20½	- .21½
l.c.l., same basis	lb. .21½	- .22
Copperas, cryst., gran., bgs., c.l., works	ton.17.00	- —
l.c.l., works	100 lbs. 1.55	- 2.00
bbls., c.l., works	ton.20.00	- —
bulk, c.l., works	ton.14.00	- —
Copra,[7] c.i.f. Pacific ports	ton.110.25	- —
c.i.f. Atlantic or Gulf ports	ton.116.20	- —
Coriander seed, Argentine, bgs	lb. .06¾	- .06¾
Indian, bgs.	lb.	No stocks
Italian, bgs., if released	lb. .06¼	- .06¾
Morocco, bgs.	lb.	No stocks

Corn silk, bls	lb. .45	- .46
Corn sugar, tanners, chipped, bgs., c.l., 60,000 lbs. min.	100 lbs. 4.065	- —
bbls., c.l., same basis	100 lbs. 4.709	- —
Syrup, 42°, bbls., c.l.	100 lbs. 4.837	- —
l.c.l.	100 lbs. 4.937	- —
Corrosive sublimate, cryst., dms., 50 lbs. or more	lb. 2.07	- —
gran., powd., dms., 50 lbs. or more	lb. 1.92	- —
Cottonroot bark, bls	lb. .40	- .45
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd.	unit-ton. 1.25	- —
Meal, 41% protein, bulk, mills, c.l.	ton.90.00	- —
Coumarin, cns., 5 lbs. or more.	lb. 2.75	- 3.25
smaller lots	lb. 2.90	- 3.30
Cramp bark, NF, bls	lb. .80	- .90
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't	lb. .45½	- —
smaller lots, bbls., kgs.,	lb. .46	- .46¼
Creosote carbonate, bots., cbys.,	lb. 2.10	- 2.20
Coaltar (see Cresol)		
Oil, coaltar, crude, tanks	works, gal. .16½	- —
refined, dms., c.l., works,	gal. .26	- .26½
l.c.l., same basis	gal. .28	- .31
tanks, same basis	gal. .19	- —
solution, tanks, works	gal. .15	- —
Wood, tech., bots., cbys.	lb. .85	- 1.04
Hardwood, N.F., bots., cbys.	lb. .60	- .77
Pine, dms.	gal. .31	- .32

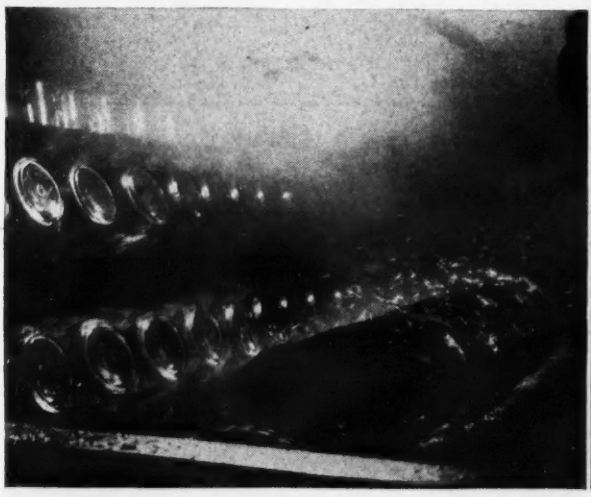
Cresol, special resin grades, dms., c.l., works, frt. equald.	lb.	.12½ - .12¾
l.c.l., same basis	lb.	.13 - .13¼
tanks, same basis	lb.	.11¾ - .12
USP, dms., c.l., same basis	lb.	.13¾ - —
l.c.l., same basis	lb.	.14¼ - —
tanks, same basis	lb.	.13 - —
Croton aldehyde, 91-93%, 55 and 110 gal. dms., l.c.l., works	lb.	.13½ - —
5 and 10-gal. dms., l.c.l. works	lb.	.17 - —
Cryolite, nat.,[4] bgs., bbls., c.l., works	100 lbs.	9.50 - 9.75
bbls., l.c.l., works	100 lbs.	10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R.	lb.	.06½ - —
l.c.l., works	lb.	.06¾ - —
Cube root, 5% rotenone, bbls., works	lb.	.45 - —
4% rotenone, bbls., works	lb.	.36 - —
Cubeb berries, XX, bgs	lb.	1.35 - 1.36
powd., cs.	lb.	1.45 - 1.46
Culvers root, bls.	lb.	.40 - .45
Cumin seed, Cyprus, bgs.	lb.	No stocks
Indian, bgs., futures	lb.	.44 - .45
Morocco, bgs.	lb.	No stocks
Persian, bgs., futures	lb.	.43 - .43½
Syrian, bgs., futures	lb.	.43 - .43½
Cutch, bgs.	lb.	No stocks
Cyanamide[5] fertilizer mixing grades, guaranteed 20.6% N., gran., bulk, Niagara Falls, Ont., contracts, bulk,	unit-ton.	1.62½ - —
21% N., pulv., bgs., same basis	unit-ton.	1.52½ - —
Cyclohexane, tech., dms., c.l., works	lb.	.10½ - —
l.c.l., works	lb.	.11 - —
tanks, works	lb.	.09¼ - —

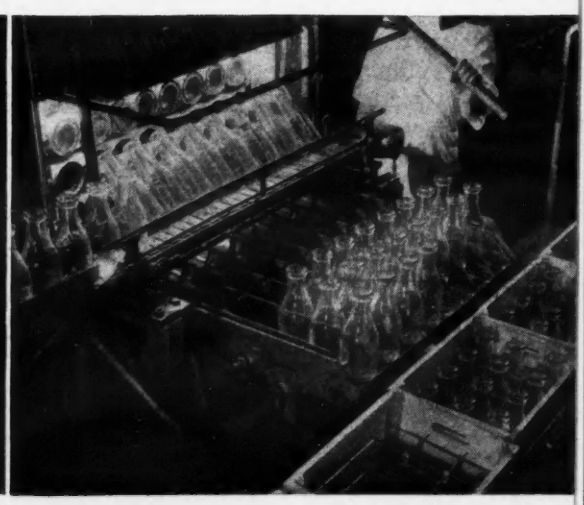
LIFE...ON THE



(*Above*) **AS A DISINFECTANT,** Surface Active Agent M can be used for the spraying of cow stalls, dairy barns, fowl coops, and for the sterilization of cows' udders prior to milking.

(*Below*) **AS A GERMICIDAL DETERGENT,** Surface Active Agent M should find extensive use in the dairy, soft drink, and brewery industries for washing and rinsing bottles and cans, cleaning floors, pasteurizers, cooling towers, and other equipment.





SURFACE ACTIVE AGENT M, GERMICIDAL OR ANTI-BACTERI AGENT, HAS MANY IMPORTANT POTENTIAL USES

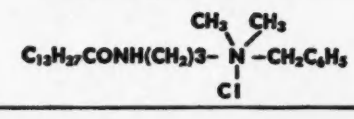
Surface Active Agent M is a bactericidal and germicidal det gent of a high degree of potency. Its use involves an entir new and revolutionary approach to industrial sterilizati

Surface Active Agent M belongs to a class of produ known as quaternary ammonium compounds, and its che ical name is myristamidopropyl dimethyl benzyl ammoni chloride. It is a cationic surface active agent. Anionics a cationics, if brought into contact in solution, will react a precipitate each other, an important fact in connection w their many applications.

Surface Active Agent M is easily applied or used. It necessary only to dilute it with hot or cold water and th apply by spray, immersion, flushing, or wiping. The com nation of freedom from toxicity and rapid anti-bacterial acti provides a safe and effective means for controlling bacte organisms.

Information on suggested uses for Surface Active Agent and samples will be sent on request.

Surface Active Agent M



PROPERTIES OF SURFACE ACTIVE AGENT M

Appearance	tan liquid
Odor	solvent
Taste—0.5% solution	slightly bitter
Solubility at 30° C.	infinite
pH—1.0% solution	6.2
Wetting power (AEROSOL® OT 100%=100)	12.1
Surface tension at 0.05%	31.6
Detergency (0.25%)	good
Emulsifying power	some
Phenol coefficient at 37° C. on Staphylococcus Aureus	400—800
Sodium hydroxide tolerance	11.4%
Calcium chloride tolerance	10,000 p.p.m.
Foaming power	very good
Lathering power	good
Fungicidal power	fair

Cyclohexanol, 96%-100%, dms., works	lb.	.21	- .32
Cyclohexanone, 97½% min., dms., c.l., works	lb.	.30	- .32
tech., dms., c.l., works	lb.	.30	- —
l.c.l., works	lb.	.30½	- —
tanks, works	lb.	.29	- —
Cyclopropane, USP, cyls. divd., ea.		.27	- —

D

Damiana leaves, bls.	lb.	.35	- .40
Dandelion root, bls.	lb.	.75	- .80
DDT, fiber, dms., c.l., works	lb.	.45	- —
ton lots, works	lb.	.50	- —
tins, smaller lots, works	lb.	.53	- .60
Decanol, normal, tech., dms., divd.	lb.	.25	- —
Deertongue, bls.	lb.	.34	- .35
Defluorinated phosphate, paper bgs., works	ton.	35.75	- —
Degras, common, bbls.	lb.	.10	- .12
neutral, less 2% ffa, bbls.	lb.	.22	- .24
over 2% ffa, bbls.	lb.	.21	- .23
Derris root (see Cube root).			
Dextrin, British gum, bgs., c.l.	100 lbs.	5.85	- —
l.c.l.	100 lbs.	5.95	- —
Chicago, bgs., c.l.	100 lbs.	5.45	- —
Corn, canary, bgs., c.l.	100 lbs.	5.59	- —
l.c.l.	100 lbs.	5.69	- —
Chicago, bgs., c.l.	100 lbs.	5.19	- —
dark, bgs., c.l.	100 lbs.	5.69	- —
l.c.l.	100 lbs.	5.79	- —
Chicago, bgs., c.l.	100 lbs.	5.29	- —
Dextrin, corn, white, bgs., c.l.	100 lbs.	5.44	- —
l.c.l.	100 lbs.	5.54	- —
Chicago, bgs., c.l.	100 lbs.	5.04	- —
Dextrin prices above are for paper bags; cotton bags quoted 20c. higher.			
Potato, dom., bgs., c.l.	lb.	.10	- .10½
l.c.l.	lb.	.10½	- .11
Diacetone (see Alcohol, diacetone).			
Diacetyl, flavor grades, bots.	lb.	5.20	- 5.55
laboratory grade, bots.	100 grams.	4.50	- —
tech., bots., works	lb.	3.00	- —
Diamyl ether (see Amyl ether).			
Phthalate, dms., tanks	lb.	No prices	
Dianisidine, dms.	lb.	1.38	- —
Diatomaceous earth, dom. c.p., bgs., c.l., Atlantic coast	lb.	.07	- —
l.c.l., ex whse.	lb.	.10	- .14
nat., bgs., c.l., Pacific coast	ton.	22.00	-25.00
l.c.l., ex whse.	ton.	45.00	- —
purified, bgs., c.l., Atlantic	ton.	55.00	-59.00
l.c.l., ex whse.	ton.	85.00	-90.00
imported, Algerian, bgs., c.l., Atlantic coast	ton.	No prices	
Mexican, white, bgs., c.l., Atlantic coast	lb.	.03	- —
l.c.l.	lb.	.06	- —
Dibutyl phthalate, 5-gal. cns., works	lb.	.33½	- —
1-gal. cns., works	lb.	.35½	- —
dms., c.l., works	lb.	.29	- —
l.c.l., works	lb.	.29½	- —
tanks, works	lb.	.28	- —
Sebacate, dms., c.l., works	lb.	.5570	- —
c.l., works	lb.	.5620	- —
tanks, works	lb.	.5470	- —
Tartrate, dms., works, frt. alld.	lb.	.92	- 1.08
Dibutylamine, dms., c.l., works	lb.	.66	- —
l.c.l., works	lb.	.69	- —
Dichlorodiphenyltrichloroethane (see *DDT*).			
Dichloroethyl ether,* purified, dms., c.l., works, frt. equald with So. Charleston	lb.	.16	- —
l.c.l., same basis	lb.	.17	- —
tanks, same basis	lb.	.15	- —
Diethanolamine,* dms., c.l., frt. alld. in E.	lb.	.23½	- —
l.c.l., same basis	lb.	.24½	- —
anks, same basis	lb.	.22½	- —
Diethyl carbonate, dms., l.c.l.	lb.	.40	- —
Oxalate, dms., c.l.	lb.	.33	- —
l.c.l.	lb.	.33½	- —
tanks	lb.	.32	- —
Phthalate,* dms., c.l., divd.	lb.	.28	- .33
tanks, divd.	lb.	.27	- .37
Sulphate, dms., c.l., works	lb.	.14	- —
l.c.l., works	lb.	.15	- —
tanks, works	lb.	.13	- —
Diethylamine, dms., c.l., works	lb.	.54	- —
l.c.l., works	lb.	.56	- —
tanks, works	lb.	.50	- —
Diethylaminoethanol, dms. l.c.l., works, frt. alld. E. of Miss. R.	lb.	.75	- —
Diethylaniliin, dms.	lb.	.40	- —
Diethyleneglycol, dms., c.l., frt. alld. in E.	lb.	.14	- —
l.c.l., same basis	lb.	.15	- —
tanks, same basis	lb.	.13	- —
Diethyleneglycol monobutylether, dms., c.l., works	lb.	.22	- —
l.c.l., works	lb.	.23	- —
tanks, works	lb.	.21	- —
Monoethylether, dms., c.l., wks.	lb.	.15½	- —
l.c.l., works	lb.	.16½	- —
tanks, works	lb.	.14½	- —
Digitalis leaves, dms.	lb.	1.05	- 1.15
Diglycol laurate, dms.	lb.	.31	- .33
Oleate, light, bbls., c.l.	lb.	.17	- —
Stearate, bbls., c.l.	lb.	.23	- —
Dihydroxydichlorodiphenylmethane, dms., works of N.Y. met.	lb.	.95	- 1.00
smaller containers, same basis	lb.	1.06	- 1.40
Di-isobutyl ketone, dms. works	lb.	.19	- —
Dillseed, decorticated, bgs.	lb.	.14½	- .15
dewhiskered, bgs.	lb.	.10½	- .11
Dimethyl phthalate, dms., c.l., divd.	lb.	.20	- —
l.c.l., divd.	lb.	.20½	- —
tanks, divd.	lb.	.19	- —
Dimethylene, anhyd., cyl., frt. alld. E. of Miss., 100% basis.	lb.	.40	- —
solution, dms., works, frt. alld. E. of Miss., 100% basis	lb.	.37	- .47½
tanks, same basis	lb.	.36	- —
Dimethylaniliin, dms., c.l.	lb.	.20	- —
l.c.l.	lb.	.22	- —
Dinitrobenzene, bbls.	lb.	.16	- —
Dinitrochlorobenzene, dms.	lb.	.14	- —
Dinitronaphthalene, kgs.	lb.	.35	- .36
Dinitrophenol, bbls.	lb.	.22	- —
Dinitrotoluene, rfd., dms.	lb.	.18	- —
oily, dms.	lb.	.09	- —
Diorthotolyiguanidin, dms., ton lots, divd.	lb.	.44	- —
smaller lots, divd.	lb.	.46	- .47
Dioxan, dms., c.l., frt. alld.	lb.	.20	- —
l.c.l., same basis	lb.	.21	- —
tanks, same basis	lb.	.19	- —
Dip oil (see Tar acid oil).			
Dipentene, destructive dist., dms., incl., wks., South, c.l.	gal.	.69	- —
tanks, wks., South	gal.	.60	- —
steam dist., dms.	gal.	.80	- —
tanks, divd. E.	gal.	.77	- —
Diphenyl,* bbls., c.l., works	lb.	.15	- —
l.c.l., works	lb.	.16	- .20
Oxide, perfume grade, cns.	lb.	.60	- .62
dms.	lb.	.45	- .56
Diphenylamine, bbls.	lb.	.26	- —
Diphenylguanidin, dms., tons	lb.	.35	- —
smaller lots	lb.	.36	- .91
Divi-divi, 35% tannin, c.l., U.S. ports, ex dock	ton.	65.00	-67.00
Doggrass root, dom., cut, bls.	lb.	.39	- .55
imp., NF, cut, bls.	lb.	.42	- .50
Dogwood, Jamaica, bark, bls.	lb.	.12	- .14
Dover's powder, USP, cns.	lb.	No stocks	
Dragon's blood, drops, cs.	lb.	.80	- .90
reeds, cs.	lb.	No stocks	
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—			
Blue, FD&C, No. 1, cns.	lb.	12.00	- —
Green, FD&C, No. 1 cns.	lb.	12.00	- —
No. 2, cns.	lb.	17.00	- —
No. 3, cns.	lb.	27.00	- —
Orange, FD&C, No. 1, cns.	lb.	2.80	- —
No. 2, cns.	lb.	3.55	- —
Red, FD&C, No. 1, cns.	lb.	5.75	- —
No. 2, cns.	lb.	3.60	- —
No. 3, cns.	lb.	17.00	- —
No. 4, cns.	lb.	5.50	- —
No. 32, cns.	lb.	4.05	- —
Yellow, FD&C, No. 1 cns.	lb.	5.00	- —
No. 3, cns.	lb.	2.55	- —
No. 4, cns.	lb.	2.65	- —
No. 5, cns.	lb.	3.05	- —
No. 6, cns.	lb.	3.05	- —
Dyes, coaltar (certified colors for drugs and cosmetics), 1-lb. lots—			
Black, D&C, No. 1, cns.	lb.	8.35	- —
Blue, D&C, No. 4, cns.	lb.	12.35	- —
Brown, D&C, No. 1, cns.	lb.	12.35	- —
Green, D&C, No. 5, cns.	lb.	12.35	- —
No. 6, cns.	lb.	12.35	- —
Orange, D&C, No. 5, cns.	lb.	8.35	- —
No. 4, cns.	lb.	15.35	- —
No. 10, cns.	lb.	15.85	- —
Red, D&C, No. 5, cns.	lb.	2.85	- —
No. 17, cns.	lb.	8.35	- —
No. 18, cns.	lb.	15.35	- —
Yellow, D&C, No. 7, cns.	lb.	8.35	- —
No. 8, cns.	lb.	8.35	- —
No. 11, cns.	lb.	10.35	- —
No. 19, cns.	lb.	15.35	- —
No. 22, cns.	lb.	8.35	- —
No. 23, cns.	lb.	13.35	- —
No. 37, cns.	lb.	12.35	- —
Dyes, coaltar (certified colors for external use drugs and cosmetics), 1-lb. lots—			
Blue, Ext. D&C, No. 1, cns.	lb.	12.35	- —
Green, Ext., D&C, No. 1, cns.	lb.	12.35	- —
Red, Ext. D&C, No. 1, cns.	lb.	10.35	- —
No. 3, cns	lb.	31.65	- —
No. 8, cns	lb.	7.95	- —
No. 10, cns.	lb.	12.35	- —
No. 13, cns.	lb.	12.35	- —
Yellow, Ext. D&C, No. 1, cns.	lb.	8.35	- —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—			
86 Chrome yellow, 2G	lb.	.65	- .70
40 Chrome yellow R	lb.	.80	- 1.00
53 Victoria violet	lb.	.80	- 1.00
166 Lake red C	lb.	.70	- .80
170 Fast red A	lb.	.88	- .90
180 Fast red VR	lb.	1.80	- 1.90
189 Lake red R, paste	lb.	.85	- .90
189 Lake red R, powd.	lb.	3.00	- 3.10
202 Chrome blue black U	lb.	.35	- .43
204 Chrome black A	lb.	.42	- .45
208 Fast red blue R	lb.	.75	- 2.00
216 Chrome red B	lb.	1.75	- 2.00
262 Cloth red 2B	lb.	.80	- .90
299 Fast cyanin 5R	lb.	.90	- 1.00
299 Chrome black F	lb.	.85	- .88
304 Paper yellow	lb.	.86	- .90
307 Fast cyanin black B	lb.	.80	- .85
326 Direct fast scarlet	lb.	2.00	- 2.25
366 Chyrophenin G	lb.	.66	- .70
382 Direct scarlet B	lb.	1.15	- 1.20
387 Direct violet B	lb.	1.00	- 1.30
394 Direct violet N	lb.	.80	- .85
401 Developed black BHN,	lb.	.45	- .60
406 Direct blue 2B	lb.	.66	- .70
415 Direct orange B	lb.	.60	- .70
419 Direct fast red F	lb.	.70	- .73
420 Direct brown M	lb.	.55	- .57
448 Benzo purpurin 4S	lb.	.65	- .66
405 Benzo purpurin 10B	lb.	.40	- .50
502 Direct azorin G	lb.	.75	- .80
512 Direct blue RD	lb.	.80	- 1.00
518 Direct pure blue 6B	lb.	1.20	- 1.30
520 Direct pure blue	lb.	.50	- 1.00
529 Direct fast black FF	lb.	.55	- 1.00
581 Direct black EW	lb.	.50	- .54
582 Direct black RX	lb.	.35	- .44
592 Direct green B	lb.	.50	- .55
594 Direct green G	lb.	.50	- .55
596 Direct brown 3GO	lb.	.85	- 1.00
620 Direct yellow R	lb.	1.25	- 1.30
696 Acid violet	lb.	1.00	- 3.00
812 Primulin	lb.	.70	- .73
814 Direct fast yellow	lb.	2.00	- 2.25
945 Nigrosin (water soluble),	lb.	.35	- .39
1177 indigo, 20%, paste	lb.	.15	- .18
Benzo fast black L	lb.	.90	- 1.00
Sulphur black	lb.	.20	- .25
Sulphur blue	lb.	.45	- 1.00
Sulphur brown	lb.	.25	- .30
Sulphur maroon	lb.	.40	- —
Sulphur tan	lb.	.30	- .50
Sulphur olive	lb.	.25	- .54
Sulphur yellow	lb.	.30	- .50
Zambesi black	lb.	.75	- .80

CHEMICAL NEWSFRONT

(u) TO MEET TODAY'S
CTING COMPOUND
UIREMENTS for rubber
ucts that must withstand
most rugged service condi-
, such as this V-belt drive
mechanical rotary oil drill-
rig, neoprene stock com-
ders depend on the uni-
quality of K & M Light
nesium Oxide.
oduced by Keasbey &
tison Company, one of
rica's oldest and most re-
makers of magnesia prod-
K & M Light Magnesium
e assures uniform disper-
because of its lightness and
ess.
ckaged in moisture-resist-
containers, according to
C.'s approved standard, it
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s of a full line of controlled
ty chemicals for the rubber
stry. Samples will be sent
quest.

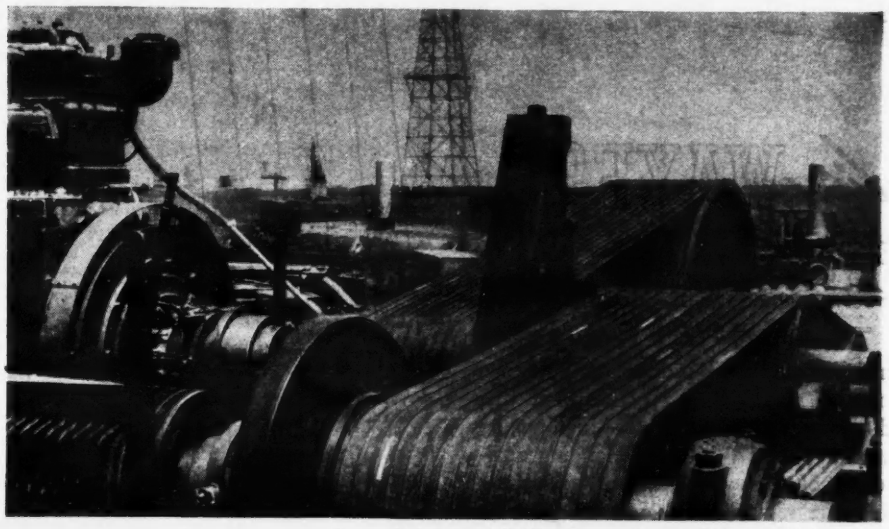


Photo courtesy L. H. Gilmer Company, Div. U. S. Rubber Co., Philadelphia, Pa.

(*Above*) **HERE'S NEWS IN FURNITURE!** Laminated plastic table tops, counter tops, and working surfaces for playroom, dining room, kitchen, or restaurant, made with LAMINAC* resin, product of Cyanamid's Plastics Division, are as easy to clean as they are colorful, as durable as they are decorative. Surfaces are hard, smooth, and glossy, resistant to water, beverages, and many chemicals.

*Reg. U. S. Pat. Off.

AMERICAN Cyanamid COMPANY Industrial Chemicals Division

30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

Dyes, coaltar, for stains, oil-soluble (prices E. in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—
865 Nigrosin derivatives..lb. .36 - .44
Blue—
7075 Alizarin astral base..lb.15.00 - —
1073 Alizarin cyanin, green base..lb. 6.00 - —
Brown—
Brown, oil soluble.....lb. 1.15 - —
Green—
1078 Alizarin cyanin green base..lb. 5.00 - —
Orange—
34 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red—
75 Sudan II.....lb. 1.05 - —
356 Sudan IV.....lb. .85 - —
690 Oil violet.....lb. .60 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1060 Anthraquinone, violet base..lb.8.00 - —
Yellow—
16 Amidoazobensene yellow. lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B.....lb. 1.35 - —
861 Indulin .....lb. .97 - —
873 Methylene gray.....lb. 1.50 - —
900 New blue P.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.00 - —
1130 Indigotin IA.....lb. .85 - —

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25-lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Blue—
714 Patent blue A.....lb 1.05 - 1.10
Brown—
231 Bismarck brown G....lb .47 - .60
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R. lb. .66 - —
632 Bismarck brown R...lb. .47 - .62
798 Phosphin .....lb. 4.65 - —
Green—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cyanin green..lb. 2.00 - —
Orange—
10 Chrysodin G.....lb. .44 - —
21 Chrysodin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G..lb. .42 - —
37 Amidonaphthol red 6B.lb. .68 - —
151 Orange Y.....lb. .31 - .33
161 Orange R.....lb. .34 - —
Red—
79 Ponceau R.....lb. .45 - —
88 Fast red B.....lb. 1.65 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX....lb. .72 - .76
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M....lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
753 Rhodamine 6B.....lb. 4.50 - —
766 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet—
680 Methyl violet B .....lb .70 - .75
681 Crystal violet B .....lb 1.75 - —
696 Acid violet 4BN.....lb .66 - —

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25-lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Yellow—
10 Naphthol yellow S.....lb. .33 - —
138 Metanil yellow.....lb. .50 - .55
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow....lb. 1.15 - —
640 Tartrasin .....lb. .60 - —
656 Auramine .....lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25-lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—
964 Nigrosin .....lb. .36 - .44
Blue—
960 Indulin .....lb. .60 - .70
Brown—
231 Bismarck brown.....lb. 1.50 - —
Green—
637 Malachite green base..lb. 2.00 - —
Orange—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .90 - —
Red—
677 Fuchsin, magenta, base.. lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —
Yellow—
67 Amidoazotoluene yellow— lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS.....lb. 2.00 - —
Violet—
680 Methyl violet base.....lb. .35 - —

Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .70 - .75
Egg, albumen (see Albumen).
Yolk, dried, dom., bbls.....lb. 1.16 - 1.23
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .75 - .80
Elecampane root, bls.....lb. .45 - .50
Elm bark, grinding, bls.....lb. .35 - .36
powd., bbls., bxs.....lb. .55 - .64
select, bndls.....lb. .55 - .66
Emetine hydrochloride, bots....oz.53.50 -54.00
Ephedra, bls.....lb. .28 - .30
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.35
Hydrochloride, tins.....oz. .95 - 1.45
Sulphate, tins.....oz. .95 - 1.45
100 ozs..oz. .65 - —
synthetic, USP anhydrous, bots. hydrous, bots., 100 oz..oz. .65 - —
Hydrochloride, tin, 100 ozs.oz. .50 - —
Sulphate, cryst., tins, 100 ozs. oz. .48 - —
Epinephrine, synth., USP, bots.. gram. .70 - .95
Epsom salt, tech., cryst., bgs., s.l..100 lbs. 1.80 - 1.95
l.c.l. .....100 lbs. 2.15 - 2.40
dried, bgs.....lb. .05½- —
l.c.l., bgs.....lb. .04 - .07
USP, cryst., bgs., l.c.l.100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l. .....100 lbs. 2.25 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —

Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

Ergot, USP, cns.....lb. 1.55 - 1.90
Eserine, bots.....oz. No prices
Sulphate, bots.....oz.65.00 - —
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., divd .....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, cons., bots., 100 lbs..lb. .98 - 1.10
Sulphuric, cons., dms.....lb. .11 - .16
USP anesthesia, hospitals, 1-lb. cns..lb. .60 - .61
Synthetic, dms., c.l., frt. alld. lb. .17 - —
l.c.l., same basis.....lb. .18 - —
tanks, same basis.....lb. .15 - —
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld..lb. .20 - —
l.c.l., frt. alld.....lb. .20½- —
tanks, frt. alld.....lb. .19 - —
95-98%, dms., c.l., frt. alld. lb. .20½- —
l.c.l., frt. alld.....lb. .21 - —
tanks, frt. alld.....lb. .19½- —
99%, dms., c.l., frt. alld.lb. .20¾- —
l.c.l., frt. alld.....lb. .21½- —
tanks, frt. alld.....lb. .19¾- —
N.F., dms. .....lb. .21¾- —
synthetic, 85-95%, dms c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11 - —
tanks, frt. alld.....lb. .09½- —
95-98%, dms., c.l., frt alld lb. .11 - —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .10 - —
Acetoacetate, dms., c.l., works. lb. .50 - —
l.c.l., frt. alld.....lb. .50½- —
Benzoate, bots.....lb. .50 - .52
B-ethoxy propionate, dms., works..lb .70 - —
Bromide, tech., dms.....lb. .50 - .56
Carbamate, dms., divd. E...lb. .58 - —
Chloride, tech., tanks.....lb. .13½- —
USP, bbls., cyl.....lb. .20 - .22
Cinnamate, cns. .....lb. 2.65 - 3.85
Formate dms., Agnue Calif. lb. .28 - .32
Iodide, bots.....lb. 3.50 - 3.60
Lactate, dms., works.....lb. .38½- —
Myristate, dms., works.....lb. No prices
Oenanthate, dms.....lb. 1.10 - 1.15
Oleate, dms., l.c.l., works..lb. .47 - —
Oxalate, dms., frt. alld.....lb. .32 - —
Silicate, dist. (see Tetraethyl orthosilicate).
40% available SiO_2, dms., works..lb. .50 - —
Ethylcellulose, pkgs., 5,000 lbs. or more, works..lb. .70 - —
smaller lots, works.....lb. .52 - .60
Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —
Ethylene, dichloride, dms., c.l., works, frt. alld. E. of Rockies..lb. .0642- —
West of Rockies..lb. .0691- —
l.c.l., works, frt. alld. E. of Rockies..lb. .0691- —
West of Rockies..lb. .0941- —
tanks, frt. alld. E. of Rockies, lb. .0743- —
West of Rockies..lb. .0792- —
Trichloride (see Trichloroethane).
Ethyleneglycol, dms., c.l., frt. alld. in E... .10 - —
l.c.l., same basis.....lb. .11 - —
tanks, same basis.....lb. .09 - —
Monobutylether, dms., c.l., wks. lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb .16½- —
Monoethylether, dms., c.l., works..lb. .15½- —
l.c.l. works.....lb. .16½- —
tanks, works .....lb 14½- —
Ethyleneglycol monoethylether, acetate, dms., c.l., works.lb. .18½- —
l.c.l., works.....lb. .14½- —
tanks, works.....lb. .13½- —
Monomethylether, dms., c.l., works..lb. .16½- —
l.c.l., works.....lb. .17½- —
tanks, works.....lb. .15½- —
Ethylethanolamine, dms., c.l., wks. lb. .57 - —
l.c.l., works .....lb. .60 - —
Ethylmonoethanolamine, l.c.l. dms., works..lb. .80 - —
Ethylmorphine, hydrochloride, bots..oz.10.50 -10.75
Ethylvanillin, cns., 5 lbs. or more..lb. 5.25 - —
smaller lots .....lb. 5.30 - 5.40
Eucalyptol, cns., dms.....lb. 2.85 - 3.25
Eucalyptus leaves, bls.....lb. .14 - .15
Eugenol, pure, USP XII.....lb. 2.60 - 3.50
Euphorbia, bls .....lb. .20 - .22

F

Feldspar, enamel, 100 mesh..ton.17.00 -20.50
bulk, c.l. .....ton.14.00 -17.50
glass, 20 mesh, bgs., works, min. 2 tons..ton.12.75 -16.25
bulk, c.l. .....ton. 9.75 -12.25
pottery, bgs., l.c.l., works, min. 2 tons..ton.20.00 22.00
bulk, c.l., works.....ton.17.00 19.00
Fennel seed, Argentine, bgs., futures..lb. .15¼- .16
Indian, bgs., afloat.....lb. .15 - .15⅛
Fenugreek, domestic, futures, bgs., source..lb. .09 - .09⅛
Indian, bgs. .....lb. .09 - .09⅛
Morocco, bgs. .....lb. .09⅛- .10
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works.lb. .13½- .15
water-white, cs., works.....lb. .14½- .17
Fir balsam, Canada, cns.....gal.21.00 -21.25
Oregon, bbls. .....gal. 2.65 - 2.70

PURE
HIGHLY-REFINED
MICRO-CRYSTALLINE
HIGH SPECIFICATION
FROM SELECTED CRUDE STOCK

Petrolite

Crown Quality WAXES are pure, highly refined micro-crystalline mineral waxes, manufactured only by Petrolite. They are refined from selected crude petroleum stocks, in a refinery designed and operated *exclusively* for wax production.

Because of the carefully controlled production of Crown Waxes and their resulting distinctive specifications, they should be appraised for exactly what they are,—high quality micro-crystalline mineral waxes. While the blending qualities and flexibility of use of these waxes permit their extensive use as vegetable wax replacements or extenders—it should be remembered that Crown Waxes themselves are *quality* products whose distinctive specifications offer a wide range of uses—*economically*.

Quality Index	Penetration	Melting Point	Color	Odor*
1035	Less than 2	195°F Minimum	2 to 2½ NPA	None
1010	Less than 2	195°F Minimum	1 to 1½ NPA	None
700	Maximum 5	197°F Minimum	2 to 2½ NPA	None
500	5 to 10	192°F Minimum	2½ to 3 NPA	None
400	5 to 10	192°F Minimum	4 to 5½ NPA	None
100	5 to 8	196°F Minimum	Black	None

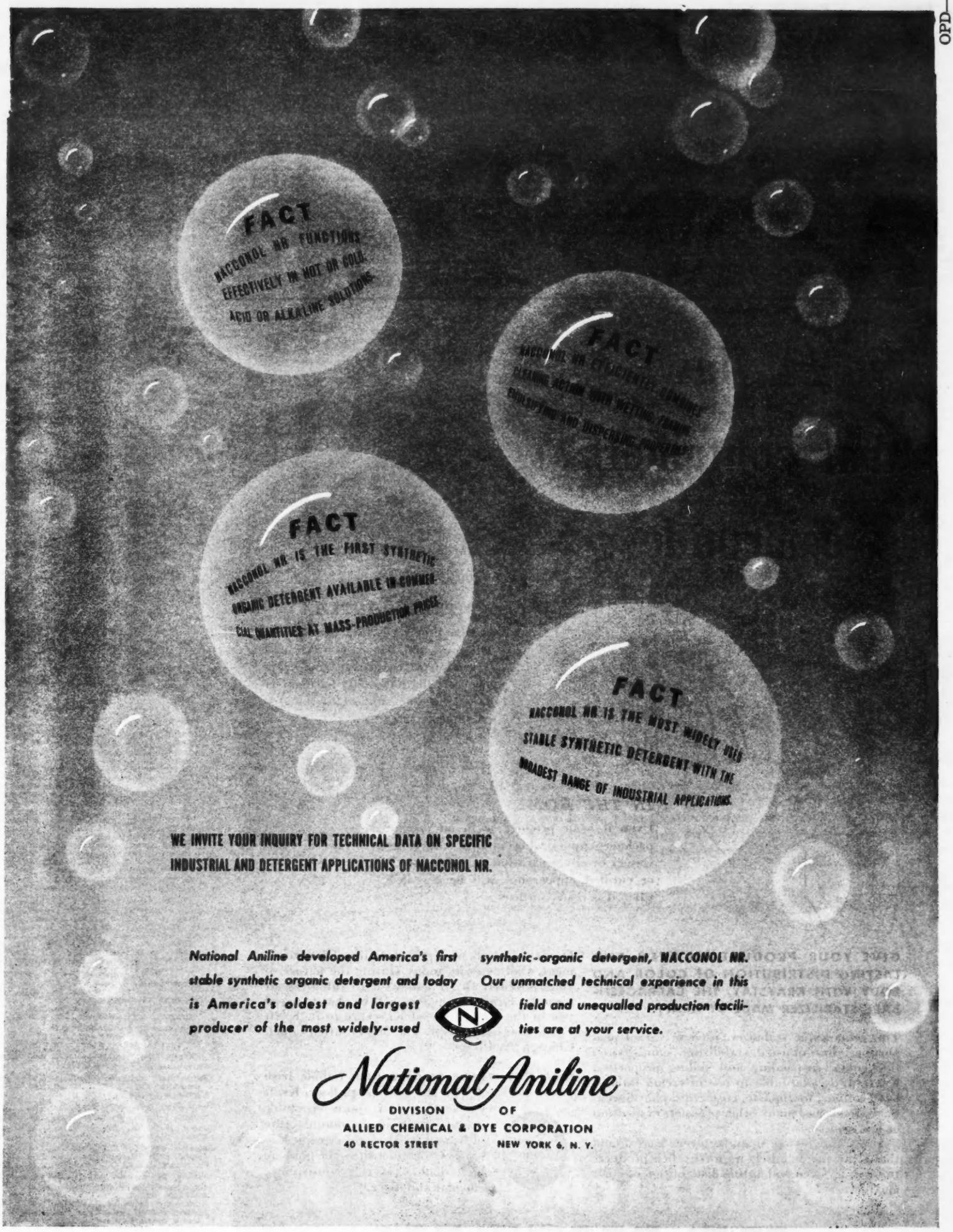
*At atmospheric temperature

A descriptive Crown Quality Wax bulletin is now available upon request at the addresses below:

PETROLITE *Crown Quality* WAX

PETROLITE CORPORATION, LTD. ★ WAX DIVISION

29 Broadway, New York 6, New York ★ Refinery, Box 390, Kilgore, Texas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NACCONOL NR FUNCTIONS EFFECTIVELY IN HOT OR COLD ACID OR ALKALINE SOLUTIONS.
FACT
NACCONOL NR IS THE FIRST SYNTHETIC ORGANIC DETERGENT AVAILABLE IN COMMERCIAL QUANTITIES AT MASS-PRODUCTION PRICES.
FACT
NACCONOL NR IS THE MOST WIDELY USED STABLE SYNTHETIC DETERGENT WITH THE BROADEST RANGE OF INDUSTRIAL APPLICATIONS.
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Fishberries, bgs. .....lb. .24 - .35
Fishliver oils (see Oil, fishliver).
Fishmeal, grd., 60% protein, bgs., E. works..ton.155.00 - —
65% protein, bgs., E. works. ton.160.00 - —
Fishscrap, dried, 60% protein, bulk, East coast..ton.140.00 -150.00
Flake white, bbls.....lb. .09 - —
kegs .....lb. .11 - —
Flaxseed, black, bgs.....lb. .55 - .60
Blonde, bgs.....lb. .31 - .33
Fluorspar, No. 1, ground, 95-98% CaF_2, bulk, c.l., mines, net ton.87.00 - —
washed, gravel, 70% or more CaF_2, c.l., bulk, mines. ton.33.00 - —
65%, c.l., bulk, mines....ton.32.00 - —
60%, c.l., bulk, mines....ton.31.00 - —
less than 60%, c.l., bulk, mines..ton.30.00 - —
Formaldehyde, bbls., c.l., works. lb. .0520- —
l.c.l., works .....lb. .0570- —
dms., extra, c.l., works.....lb. .0460- —
l.c.l., works .....lb. .0510- —
tanks, works .....lb. .0320- —
tanktrucks, divd., N.Y.C.....lb. .0245- —
Fringetree bark, bls.....lb. .75 - .76
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines..ton. 8.50 -15.00
Tex. mines .....ton.12.50 - —
spent, bulk, Bayonne...ton. 8.00 - —
imp., bgs., c.l.....ton.30.00 -40.00
Furfural, ref., dms., c.l., works. lb. .15½- —
exs., dms., l.c.l., works....lb. .18½- .25½
tech., dmr., c.l., works.....lb. .15 - —
L.c.l., exs., dms.....lb. .15½- .20½
tanks, works .....lb. .09½- —
Fusel oil, dms., c.l.....lb. .26 - —
l.c.l. .....lb. .26½- —
tanks .....lb. .25 - —

Fustic extract, cryst., No. 1, bbls., l.c.l..lb. .35 - —
No. 1A, bbls., l.c.l.....lb. .34 - —
No. 2, bbls., l.c.l.....lb. .33 - —
No. 3, bbls., l.c.l.....lb. .31 - —
liquid, No. 0, bbls., l.c.l....lb. .19 - —
No. 1, bbls., l.c.l. .....lb. .17½- —
No. 2, bbls., l.c.l. .....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .14 - —
solid, No. 1, bxs., l.c.l.....lb. .20¾- —

G

G salt, bbls.....lb. .50 - —
Galangal root, bls., futures...lb. .30 - .31
Gambier, cube, Singapore, cs..lb. No stocks
Extract, bbls. .....lb. No stocks
Gammapicoline 96%, dms., c.l., works..lb. 1.35 - —
Gasoline, at refinery, ex tax Arkansas 73-75 octane, tanks. gal. .06¾- —
Bayonne, 74 octane, tanks, gal. .0780- .08
Gulf Coast, 73-75 octane, tanks..gal. .06½- .07¼
Group 3, 73-75 octane, tanks, gal. .06¾- .07
Pennsylvania, western, U. S. motor 74 octane, leaded, tanks..gal. .07½- .08¼
natural, 26/70 octane, Group 2 tanks..gal. .04 - —
Gelatin, silver label, otns., divd. lb. .90 - .97
export, cs. .....lb. 1.00 - —
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo
Gelsemium root, bls.....lb. .35 - .40
Gentian root, bls.....lb. .29 - .30
grd., bbls., bxs.....lb. .35 - .36
powd., bbls., bxs.....lb. .34 - .35
Geraniol, 92-96% cns., dms....lb. No prices

Geranyl acetate, cns.....lb. 5.02 -12.50
Ginger, African, No. 1, bls...lb. .15 - .15½
Calicut, Romeo-type, bgs....lb. .16 - .16½
Cochin, bleached, bgs.....lb. .16½- .17
unbleached, bgs.....lb. .15¼- .15¾
Jamaica, No. 1, bgs.....lb. .23 - .23½
No. 2, bgs.....lb. .16 - .16½
No. 3, bgs.....lb. .15 - .15½
Rhattoon, bgs. .....lb. .14 - .14½
Glauber's salt, annyd. (see Soda sulphate).
cryst., bgs., bbls., works, 100 lbs. 1.05 - 1.45
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest. lb. .16 - .28
80/86, bgs., c.l., same basis..lb. .15½- .22½
58/82, bgs., c.l., same basis. lb. .17 - .24
82/108, bgs., c.l., same basis. lb. .18½- .25½
Bone glue, l.c.l. prices 1c. higher than c.l.
Hide, 100-121 (jelly test in grams), bgs., c.l., divd..lb. .14 - .21½
122-149, bgs., c.l., divd....lb. .15 - .22½
150-177, bgs., c.l., divd....lb. .16 - .23½
178-206, bgs., c.l., divd....lb. .17 - .24½
207-236, bgs., c.l., divd.....lb. .18 - .25½
237-266, bgs., c.l., divd.....lb. .19 - .26½
267-298, bgs., c.l., divd.....lb. .20 - .27½
299-330, bgs., c.l., divd.....lb. .21 - .28½
331-362, bgs., c.l., divd.....lb. .22 - .29½
363-394, bgs., c.l., divd.....lb. .23 - .30½
395-427, bgs., c.l., divd.....lb. .24 - .31½
428-460, bgs., c.l., divd.....lb. .25 - .32½
461-494, bgs., c.l., divd.....lb. .26 - .33½
495-529, bgs., c.l., divd.....lb. .27 - .34½
Hide glue l.c.l., prices 1c. higher than c.l. bbls., ½c. over bgs.

Glycerin, crude, saponification, 88%, to refiners, tanks..lb. .45 - .60
soaplye, 80%, tanks.....lb. .35 - .50
dynamite, dms., c.l.....lb. .55¼- —
l.c.l. .....lb. .55¾- —
tanks .....lb. .55 - —
high gravity, dms., c.l.....lb. .55¼- —
l.c.l. .....lb. .55¾- —
tanks .....lb. .55 - —
refined, B.P., 98%, dms., c.l..lb. .55¾- —
tanks .....lb. .55½- —
USP, 95%, dms., c.l.....lb. .55¼- —
tanks .....lb. .55 - —
yellow, distilled, dms., c.l...lb. .55 - —
tanks .....lb. .55 - —
Glycine, USP (see Acid, aminoacetic).
Glycol boriborate, dms.....lb. .22 - —
Stearate, dms.....lb. .26 - —
Gold chloride, acid-brown, bots. oz.20.75 -21.00
acid-yellow, bots.....oz.18.75 -19.00
Gold-soda chloride photo., bots. oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Goldenseal root, bls.....lb. 8.75 - 9.00
powd., bxs. .....lb. 9.25 - 9.50
Gold of pleasure seed, bgs....lb. No stocks
Grains of paradise, bgs.....lb. .45 - .46
Graphite, dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse..lb. .04½- —
70-75%, bgs., same basis. lb. .05 - —
75-80%, same basis.....lb. .05½- —
80-85%, bgs., same basis. lb. .06 - —
75-80%, same basis.....lb. .05½- —
80-85%, bgs., same basis. lb. .06 - —
85-90%, bgs., same basis. lb. .07 - —
90% and up, same basis. lb. .08 - —
imported, amorphous, powd., divd..lb. .04 - .06
crystalline, 85-90%, powd., same basis..lb. .14 - .16
90-92%, powd., same basis.. lb. .16 - .19
97% powd., same basis...lb. .22 - .25
flake, No. 1, 90-95%, 200-lb. crtns, same basis..lb. .21 - .23
No. 2, same basis.....lb. .23 - .24
Grease, choice, loose.....lb. .22 - —
house, loose.....lb. .21¼- —
yellow, loose.....lb. .21½- —
white, loose.....lb. .21⅞- —
Wool (see Adeps lanae and Degras).
Green, brilliant, thioflavin toner, molybdic, kgs., works..lb. 3.25 - —
tungstic, kgs., works.....lb. 3.75 - —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., divd. N. of Tenn. and N.C. E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .29 - —
6-10%, bbls., same basis. lb. .30 - —
11-15%, bbls., same basis. lb. .31 - —
16-20%, bbls., same basis. lb. .31½- —
21-25%, bbls., same basis. lb. .32¼- —
26-30%, bbls., same basis. lb. .32¾- —
31-35%, bbls., same basis. lb. .33¼- —
36-40%, bbls., same basis. lb. .35½- —
41-45%, bbls., same basis. lb. .37 - —
46-50%, bbls., same basis. lb. .38¾- —
50% and over, bbls., same basis..lb. .39¾- —
reduced color, 5%, bbls., same basis..lb. .10 - —
6-10%, bbls., same basis.lb. .10¾- —
11-13%, bbls., same basis.lb. .11½- —
14-16%, bbls., same basis.lb. .12 - —
17-19%, bbls., same basis.lb. .12¼- —
20-21%, bbls., same basis.lb. .12½- —
22-23%, bbls., same basis.lb. .12¾- —
24-25%, bbls., same basis.lb. .13 - —
26-27%, bbls., same basis.lb. .13½- —
28-29%, bbls., same basis.lb. .14 - —
30-31%, bbls., same basis.lb. .15 - —
32-33%, bbls., same basis.lb. .15¾- —
34-35%, bbls., same basis.lb. .17¼- —
36-40%, bbls., same basis.lb. .20 - —
41-45%, bbls., same basis.lb. .22½- —
46-50%, bbls., same basis.lb. .22¾- —
51-55%, bbls., same basis.lb. .23½- —
56-60%, bbls., same basis.lb. .24 - —
61-65%, bbls., same basis.lb. .25 - —
66-70%, bbls., same basis.lb. .26¼- —
Chrome green prices are ¼c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.
Chrome oxide, pure, dms., works..lb. .37½- .39
Malachite, thioflavin toner, molybdic, bbls., works..lb. 3.00 - —
tungstic, bbls., works.....lb. 3.50 - —
Phthalocyanin, tetrahydroxide (hydrated chromium oxide), bbls., works...lb. .85 - —
toner, bbls. works.....lb. 4.00 - 5.00
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.00 - 4.00
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta, bls.....lb. .30 - .35
Guaiac, resin, cs.....lb. .32 - .34
Wood, bls.....lb. .35 - .36
Guaiacol, cryst., N.F., tins...lb. 1.60 - 1.65
Liquid, N.F., bots., cbys....lb. 1.60 - 1.84
Carbonate, dms.....lb. 2.40 - 2.46
Guarana, powd., cs..... ..lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. .90 - .95
Arabic, amber, sorts, bgs....lb. .13¾- .14
white, sorts, 1, bgs.....lb. .28 - .29
Asphaltum (see A).
Asafetida (see A).
Benzoin, Sumatra, cs.....lb. .90 - 1.00
Camphor (see C).
Copal, Congo (former dollar-and-cent ceilings revoked Feb. 2. New ceiling prices are to be based on prices to be paid by importers in the Belgian Congo plus landed costs, as determined by a formula under the new import regulations).
East India (former dollar-and-cents ceilings on all other copals revoked May 21. New ceiling prices are to be figured on same basis as Congo).

A flaw that containers can't hide

AT THE COUNTER

If your product is in a transparent container and has an uneven distribution of color and body, its display value is greatly harmed. It offers less sales appeal to the discriminating buyer.

IN THE HOME

Even if your product is in an *opaque* package, undesirable qualities such as watery or oily separation, a "settled out" or curdled appearance will be revealed when it is ready for use.

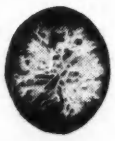
GIVE YOUR PRODUCT AN EVEN AND *LASTING* DISTRIBUTION OF COLOR AND BODY WITH KRAYSTAY, THE CARRAGEEN-BASE STABILIZER MADE BY KRAFT.

This remarkable stabilizer, used in varied proportions, has unusual stabilizing, emulsifying, thickening, suspending and gelling properties. Kraystay is adaptable to use in cream lotions, hand lotions, toothpaste, cosmetics, pharmaceuticals, foods and many other products of medium or low acidity.

Many progressive manufacturers have found that Kraystay definitely improves their products through an even and *lasting* distribution of color and body.

Don't overlook the possibilities of improvement. Call or write today stating the nature of your product. Or, if you wish to submit your formula, Kraft technicians will be glad to assist you in the application of Kraystay to it. Kraft Foods Company, Dept. Y-7, 500 Peshtigo Court, Chicago 90, Illinois.

FROM TINY FRONDS OF CARRAGEEN (edible Irish moss) gathered from the cold ocean floor, Kraft extracts a clear, pure vegetable gelose for use in the manufacture of Kraystay. Modern scientific laboratory control insures the uniform high quality of this consistently efficient stabilizer.



KRAYSTAY

MADE BY KRAFT

A NEW DEVELOPMENT IN VEGETABLE STABILIZERS

Gum, copal, Manila, No. 1, hard, bold, amber, light, bekts., c.l., whse.	lb.	.25	—
Dammar (former dollar-and-cent ceiling on Batavia and Singapore revoked May 21. New ceiling prices are to be figured on same basis as copals).			
Elemi (former dollar-and-cent ceilings on elemi revoked May 21. New ceiling prices to be figured on same basis as copals).			
Ester, gum-resin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va.	lb.	.1300-	—
l.c.l., dlvd., Ill., etc.	lb.	.1325-	—
other points, same basis.	lb.	.1400-	—
wood-resin type, dms., c.l., dlvd. Ill., Ind., etc.	lb.	.1050-	.1076
Euphorbium, cs.	lb.	1.50	Nom.
Galbanum, cs.	lb.	.95	- 1.00
Gamboge, pipes, cs.	lb.	2.00	- 2.05
powd., bbls.	lb.	2.25	- 2.30
Ghatti, bgs.	lb.	No stocks	
Guaiac (see Guaiac resin).			
Karaya, bbls., bxs., dms.	lb.	.21	- .58
Kauri (former dollar-and-cent ceilings revoked May 21. New ceiling prices are to be based on prices to be figured on same basis as copals).			
Locust bean, powd., bbls.	lb.	.50	- .66
Mastic, cs.	lb.	2.75	- 3.00
Myrrh, cs.	lb.	.48	- .50
Olibanum, siftings, cs.	lb.	.12	- .15
tears, cs.	lb.	.27	- .45
Opium (see O)			
Red (see Gum yacca)			
Rosin (see R)			
Sandarac, bgs.	lb.	.90	- .93
Scammony, cs.	lb.	1.50	- 1.55
Talha, bgs.	lb.	.10	- .11
Tragacanth, No 1, cs.	lb.	5.00	- 5.25
No. 2, cs.	lb.	3.65	- 3.90
No. 3, cs.	lb.	3.20	- 3.45
Yacca (former dollar-and-cent ceiling prices revoked May 21. New ceiling prices to be figured on same basis as copals).			
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald.	ton.	22.65	- —
Harlem River, N. Y., frt. equald.	ton.	28.25	- —
Medicine Lodge, Kan., frt. equald.	ton.	17.00	- —
New Brighton, N. Y., frt. equald.	ton.	20.65	- —
Southard, Okla., frt. equald.	ton.	17.00	- —
Sweetwater, Tex., frt. equald.	ton.	21.45	- —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald.	ton.	12.50	- —
Blue Rapids, Kan., frt. equald.	ton.	10.50	- —
Harlem River, N. Y., frt. equald.	ton.	12.00	- —
Medicine Lodge, Kan., frt. equald.	ton.	12.50	- —
New Brighton, N. Y., frt. equald.	ton.	13.60	- —
Southard, Okla., frt. equald.	ton.	12.50	- —
Sweetwater, Tex., frt. equald.	ton.	12.50	- —
Stucco, paper bgs., c.l., Acme, Texas, Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N.Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald.	ton.	8.00	- —
Saltville, Va., frt. equald.	ton.	9.00	- —
Terra alba, paper bgs., c.l., Harlem river, N. Y., New Brighton, N. Y., same basis.	ton.	14.40	- —

H

Hawthorn berries, bgs.	lb.	.60	- .66
Heliotropin, cryst., cns.	lb.	2.95	- 4.00
Hellebore, white, powd., bbls.	lb.	.46	- .47
Helonias root, bls.	lb.	2.25	- 2.30
Hematine extract, cryst., No. 6, bbls., l.c.l.	lb.	.41	-
No. 1, bbls., l.c.l.	lb.	.40	- —
No. 1A, bbls., l.c.l.	lb.	.37	- —
No. 2, bbls., l.c.l.	lb.	.36	- —
No. 3, bbls., l.c.l.	lb.	.34	- —
No. 4, bbls., l.c.l.	lb.	.33	- —
No. 5, bbls., l.c.l.	lb.	.30	- —
paste, No. 1, bbls., l.c.l.	lb.	.17½-	—
No. 2, bbls., l.c.l.	lb.	.16½-	—
No. 3, bbls., l.c.l.	lb.	.15½-	—
red, No. 4, bbls., l.c.l.	lb.	.14½-	—
Hemlock bark extract, 25% tan, bbls., c.l., works.	lb.	No stocks	
tanks, works.	lb.	No stocks	
Henbane leaves, bls.	lb.	1.00	- 1.25
Henna leaves, bls.	lb.	.20	- .30
powd., bbls., bxs.	lb.	.24	- .36
Heptane, industrial grade, 50°-100° C., dms., c.l., Group 3,	gal.	.12½-	—
l.c.l., Group 3.	gal.	.19	- —
tanks, Group 3.	gal.	.10½-	—
77°-115° C., dms., c.l., Group 3.	gal.	.13	- —
l.c.l., Group 3.	gal.	.19	- —
tanks, Group 3.	gal.	.10½-	—
laboratory grade, dms., c.l., Group 3.	gal.	.16	- —
l.c.l., Group 3.	gal.	.20	- .55
Hexalin (see cyclohexanol).			
Hexaethyl tetraphosphate, cbys., cns., works.	lb.	2.00	- —
dms., c.l., works.	lb.	1.10	- —
l.c.l., works.	lb.	1.25	- 1.75
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C.	lb.	.24	- —
smaller lots, same basis.	lb.	.25	- —
USP, dms., 500 lbs. or more, same basis.	lb.	.35	- —
smaller lots, same basis.	lb.	.36	- —
Hexane, 60°-70° C., industrial grades, dms., c.l., Group 3,	gal.	.12½-	—
l.c.l., Group 3.	gal.	.17	- —
tanks, Group 3.	gal.	.10½-	.11
laboratory grade, dms., c.l., Group 3.	gal.	.16	- —
l.c.l., Group 3.	gal.	.20	- .55
Hexanol, normal, dms., l.c.l., works.	lb.	.23	- —
Homatropine hydrobromide, bots.	oz.	15.00	-25.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago.	unit-ton.	9.50	- —
Hops, NF, bls.	lb.	.56	- 1.50
Horehound, bls.	lb.	.12½-	.13
Hydrangea root, bls.	lb.	.22	- .25
Hydrastine, alkaloid, bots.	oz.	20.00	-22.00
Hydrochloride, bots.	oz.	20.00	-22.00
Sulphate, bots.	oz.	20.00	-22.00
Hydrastinine, 10-gr. bots.	bot.	1.85	- —
Hydrastis (see Goldenseal).			
Hydrofuramide, dms., 55 gal. cns., works.	lb.	.30	- .40
Hydrogen peroxide, USP, bbls.	lb.	.03¾-	.04
100 vols., cbys., E. of Miss. River or West coast via Panama Canal.	lb.	.15½-	.18½
Hydroquinone, bbls., dms.	lb.	.80	- .94
Hydroxycitronellal, cns.	lb.	17.50	-21.00
dms., extra, ret'able, dlvd.	lb.	No prices	
Hyoscine hydrobromide, bots.	oz.	39.00	-45.00
Hyoscyamine, bots.	oz.	18.00	-20.00
Hydrobromide, bots.	oz.	15.00	-19.50
Sulphate, bots.	oz.	14.00	-19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l.	lb.	.42	- —
No. 2, bbls., l.c.l.	lb.	.34	- —
liquid, No. 1, bbls., l.c.l.	lb.	.24	- —
No. 2, bbls., l.c.l.	lb.	.19	- —
solid, No. 1, bxs., l.c.l.	lb.	.30	- —
Hyssop, bgs.	lb.	.60	- .65
leaves, bgs.	lb.	.65	- .70

I

Iceland moss, bgs.	lb.	.50	- .52
Ichthammol, NF, bots.	lb.	2.45	- —
Indian red (see Red, Indian).			
Indigo, nat., chests.	lb.	2.14	- 2.30
synth., paste, bots.	lb.	.16½-	.19
powd., bbls.	lb.	.74½-	.80
Indol, CP, bots.	lb.	19.00	-22.00
Insect flowers (see Pyrethrum).			
Iodine, crude, 150-lb. kgs., ex whse., Staten Island.	lb.	1.42½-	—
resubl., 5-lb. bots., jars.	lb.	2.10	- —
Iodoform, 100-lb. dms., kgs.	lb.	4.45	- —
Ionone, ketone, bot.	lb.	8.50	- 9.50
Methyl, bot.	lb.	6.25	-12.00
Ipecac root, bgs.	lb.	4.50	- 4.75
powd., bgs.	lb.	4.75	- 5.00
Irish moss, bleached, prime.	lb.	.25	- .30
Iron acetate, liquer, bbls., c.l., dlvd.	lb.	.17	- —
l.c.l., dlvd.	lb.	.18	- —
solut., USP IX, 100-lb. cbys.	lb.	.17	- —
50-lb. djms.	lb.	.18	- —
Chloride (ferric), anhydr., tech., dms., c.l., works.	100 lbs.	4.90	- 5.25
l.c.l., works.	100 lbs.	6.50	- 6.85
cryst., tech., bbls., works, frt. alld.	100 lbs.	4.90	- 6.90
USP X, lump, bbls.	lb.	.07	- .08¼
solut., 42 Be, cbys., works, frt. alld. or equald.	lb.	.06½-	.06
djns., same basis.	lb.	.10	- —
Citrate, USP VIII, gran., dms.	lb.	.70	- .75
powd., cns.	lb.	.84	- .87
Glycerophosphate, N.F., powd.	lb.	4.35	- —
Hypophosphite, bbls., dms.	lb.	1.50	- 1.52
Iodide, bots.	lb.	3.18	- 3.42
Naphthenate, 6% Fe, 50-gal. dms.	lb.	.18½-	.17½
Nitrate, red, tech., dms.	lb.	.03½-	.04
Oxalate, gran., dms.	lb.	.83	- .85
powd., cns.	lb.	.52	- —
kgs.	lb.	.47	- .49
Phosphate, soluble, NF, gran., cs.	lb.	.54	- .57
Pyrophosphate, gran., cns.	lb.	.59	- .63
Reduced, 90%, kgs.	lb.	.65	- .75
Resinate, 7.4% Fe, 100-lb. dms.	lb.	.17¼-	—
Sulphate (ferric), anhyd., bgs., c.l., works.	ton.	35.00	- —
l.c.l., works.	ton.	40.00	- —
partially hydrated bgs., c.l., works.	ton.	26.50	- —
(ferrous) tech. (see Copperas).			
USP, cryst., bbls., dms.	lb.	.05½-	.11
Sulfate, 4% Fe, 50-gal. dms.	lb.	.10¼-	—
Iron-ammonia citrate, brown, green, gran., pearls, dms.	lb.	.33	- .35
scale, dms.	lb.	.40	- .43
Oxalate, bbls.	lb.	.23½-	
dms., kgs.	lb.	.25½-	.26½
Iron-soda oxalate, bbls., dms.	lb.	.23½-	.26½
Isobornyl acetate, cns., works.	lb.	.80	- .96
Isobornyl thiocyanoacetate, dms., c.l., works.	gal.	4.35	- —
l.c.l., works	gal.	4.45	- 4.55
tanks, works	gal.	4.25	- —
Isobutyl acetate, cns.	lb.	1.10	- —
Propionate, cns.	lb.	No prices	
Isoeugenol, cns., works.	lb.	3.75	- 4.35
Isopentane, dms., works.	lb.	.45	- .55
Isophorone, dms., c.l., works.	lb.	.21	- —
l.c.l., works	lb.	.22	- —
tanks, works	lb.	.20	- —
Isopropanol (see Alcohol, Isopropyl).			
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld.	lb.	.10½-	—
l.c.l. E. of Rockies, same basis.	lb.	.11	- —
tanks, E. of Rockies, same basis.	lb.	.09½-	—
Alcohol (see Alcohol, Isopropyl).			
Ether, dms., c.l., dlvd.	lb.	.06	- —
l.c.l.	lb.	.06½-	—
tanks, dlvd.	lb.	.04½-	—
Isopropylamine, dms., works.	lb.	.25	- —

J

Jaborandi leaves, bls.	lb.	.30	- .31
Jalap root, NF, bls.	lb.	.40	- .45
powd., bbls., bxs.	lb.	.50	- .53
Resin, lump, cns.	lb.	5.85	- —
powd., bxs.	lb.	5.90	- —
Juniper berries, bgs.	lb.	.22	- .25
Juniper tar, USP, dms.	lb.	.68	- 1.00

MALMSTROM
XIMCO BRAND
WOOL FAT & LANOLIN

IT'S
SCENTsational
BECAUSE IT'S
ODORLESS!

MALMSTROM *New Cosmetic Grade* LANOLIN

In the new non-darkening PALE COLOR

To manufacturers of perfumed Lipsticks, Creams, Ointments, and Lotions the new MALMSTROM ODORLESS Lanolin marks a new advancement in the manufacture of perfumed cosmetics. This revolutionary new type of Lanolin eliminates the need for masking the objectional odor of common wool fat. Equally important is the new non-darkening PALE COLOR which will give your products sales creating eye-appeal.

MALMSTROM'S ODORLESS Lanolin will help to simplify your manufacturing processes. Also, it will give your perfumed cosmetics definite sales advantages by—

- Increasing their emollient properties. Promoting a smooth, creamy rich appearance and a homogeneous mixture.
- Not darkening your preparations.
- Reducing the irritation of sensitive skins. Acting as a skin softener, relieving dry skin conditions.
- Not turning rancid since it is not a glyceride. Resisting heat and sun, and being stable.

Start now to improve the quality of your perfumed cosmetics; let us show you how to use the new MALMSTROM ODORLESS Lanolin. Samples and prices upon request.

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Detroit, Michigan

GRIFFIN CHEMICAL CO.
San Francisco, Calif.
Los Angeles, Calif.

N. I. MALMSTROM & CO.
America's Largest Processor of Wool Fat & Lanolin
147 LOMBARDY STREET, BROOKLYN 22, NEW YORK
30 W. WASHINGTON STREET, CHICAGO 2, ILLINOIS
Office and Warehouse

K

Kamala, powd., cns.	lb.	.46 -	.48
Kaolin (see China clay).			
Kava kava root, bls.	lb.	.28 -	.30
Kerosene, at refinery: Ark., 42-44 w.w., tanks.	gal.	.06 -	—
Bayonne, 41-43, w.w., tanks.	gal.	.061 -	—
California, 40-43 w.w., tanks.	gal.	.07 -	—
Gulf ports, 41-43 w.w., tanks.	gal.	.04¾-	.05
Okla.-Tex., 41-43 w.w., tanks.	gal.	.04875-	—
Penn., 45 w.w., tanks.	gal.	.0655-	.0705
47 w.w., tanks.	gal.	.0705-	—
Kola nuts, bgs.	lb.	.10 -	.11
Kyanite, imp., low iron content, 10-mesh, whse.	ton.	85.00	-95.00
calcined, grain, 10-mesh, whse.	ton.	95.00	-105.00

L

Ladyslipper root, bls.	lb.	1.35 -	1.40
Lanolin (see Adeps lanae).			
Larkspur seed, bgs.	lb.	.80 -	.82
Laurel berries, bls.	lb.	.25 -	.26
Leaves, Cyprus, bls.	lb.	.18½-	.19
Greek, bls.	lb.	.19½-	.20
Portuguese, futures, bls.	lb.	.15½-	.16
good, bls.	lb.	.16 -	.16½
Turkish, bls., futures	lb.	.15½-	.16
Lavender flowers, medium, bls.	lb.	.60 -	.65
ordinary, bls.	lb.	.35 -	.43
select, bls.	lb.	.65 -	.70
Lead, acetate, white, broken, bbls.	lb.	.16 -	—
cryst., bbls.	lb.	.16¾-	—
gran., powd., bbls.	lb.	.16¾-	—
Arsenate, basic powder, 3-lb. bgs. or larger, c.l.	lb.	.17½-	—
l.c.l.	lb.	.18 -	—
1-lb. ctns., c.l.	lb.	.34 -	—
l.c.l.	lb.	.34½-	—
Lead arsenate prices are works or whse. basis, frt. alld. to dest.			
Blue, basic sulphate, bbls., c.l., 20-ton lots, dlvd. E.	lb.	.12½-	—
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.12¾-	—
l.c.l., dlvd. E.	lb.	.12¾-	—
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.13 -	—
Carbonate (see Lead, white).			
Chloride, fib. dms.	lb.	.49 -	—
Iodide, NF V, jars	lb.	2.69 -	—
Linoleate, solid, 19%, bbls.	lb.	.41¾-	—
Metal,[5] (see Protective Coatings Materials market).			
Metallic paste, dms., works.	lb.	No stocks.	
Naphthenate, 24%-30%, Pb.	lb.	.16 -	.19½
Nitrate, bbls.	lb.	.12½-	—
Oleate, bbls.	lb.	.17¾-	—
Peroxide, powd., tech., bbls.	lb.	.23 -	.28
Red, 95% Pb_3O_4, or less bbls., c.l. (20 tons), dlvd. Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo., and E. of Cascade Mts., in Ore. and Wash.	lb.	.14½-	—
other points	lb.	.14¾-	—
Lead, red, 95%, Pb_3O_4, or less, l.c.l., 5 tons, dlvd. Ala., Cal., Fla., Ga., La., Miss., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.15 -	—
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash.	lb.	.15½-	—
Colo., Mont., N. Mex., Wyo.	lb.	.15¾-	—
other points	lb.	.15 -	—
smaller lots, Ala., etc.	lb.	.15½-	—
Ariz., etc.	lb.	.16 -	—
Colo., etc.	lb.	.15¾-	—
other points	lb.	.15¼-	—
in oil, kgs.	lb.	.22¾-	—
97% Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Wash. and Ore.	lb.	.14¾-	—
other points	lb.	.15¼-	—
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.15¾-	—
Ariz., etc.	lb.	.15½-	—
Colo., etc.	lb.	.15 -	—
other points	lb.	.15¼-	—
smaller lots, dlvd. Ala.	lb.	.15¾-	—
Ariz., etc.	lb.	.16¼-	—
Colo., etc.	lb.	.16 -	—
other points	lb.	.15½-	—
98% Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc.	lb.	.15 -	—
other points	lb.	.14¾-	—
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.15½-	—
Ariz., etc.	lb.	.16 -	—
Colo., etc.	lb.	.15¾-	—
other points	lb.	.15¼-	—
Lead, red, 98%, Pb_3O_4, bbls., l.c.l., smaller lots, dlvd. Ala., etc.	lb.	.16 -	—
Ariz., etc.	lb.	.16¼-	—
Colo., etc.	lb.	.16¼-	—
other points	lb.	.15¾-	—
Resinate, precip., 23.8% Pb, dms.	lb.	.20 -	—
Silicate, bgs.	lb.	.13¾-	.14¼
Soyate, 20.15% Pb., dms.	lb.	.22¼-	—
Stearate, bbls.	lb.	.34½-	.35½
Sulphate (see Lead, blue; Lead, white, basic sulphate).			
Tallate, 10% Pb, dms.	lb.	.10 -	.11
Titanate, bgs., bbls., c.l., l.c.l., 6 tons, one delivery, E. frt. alld.	lb.	.11¼-	—
Pac. Cst., ex whse.	lb.	.11½-	—
smaller lots, E. frt. alld.	lb.	.11½-	—
Pac. Cst., ex whse.	lb.	.11¾-	—
White, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo.	lb.	.13¼-	—
dlvd. other points	lb.	.13 -	—
l.c.l., dlvd. Ariz., etc.	lb.	.13½-	—
other points	lb.	.13¾-	—
basic sulphate, bbls., c.l., dlvd. Ariz., etc.	lb.	.12½-	—
other points	lb.	.12¾-	—
l.c.l., dlvd. Ariz., etc.	lb.	.13¼-	—
other points	lb.	.13 -	—
in oil, consumers, kgs.	lb.	.23¼-	—
painters, kgs.	lb.	.22 -	—
Lecithin, edible, dms., c.l.	lb.	.25¼-	—
l.c.l.	lb.	.26¼-	.45
in cocoa butter, dms., c.l.	lb.	.39½-	—
l.c.l.	lb.	.40¾-	.50
tech., dms., c.l.	lb.	.25¼-	—
l.c.l.	lb.	.26¼-	.45
vegetable, pure, bots., 100 lbs.	lb.	2.75 -	—
Lemon peel, bls.	lb.	.35 -	.40
Licorice extract, mass, cns.	lb.	.40 -	.43
powd., bbls.	lb.	.60 -	.63
Root, natural, bls.	lb.	.12 -	.14
powd., bbls.	lb.	.18 -	.20
5-lb. bundles, cs.	lb.	.85 -	.90
Lignin extract, tanning grade, bgs., c.l., works.	lb.	.04 -	—
Lime, agricultural, works.	ton.	9.00 -	9.50
Chemical (quicklime), lump, pebble, Adams, Mass.	ton.	9.00 -	—
Annville, Pa.	ton.	8.50 -	—
Bellefonte, Pa.	ton.	8.50 -	—
Berkeley, W. Va.	ton.	8.50 -	—
Buffalo, N. Y.	ton.	10.25 -	—
Carey, Ohio	ton.	7.00 -	—
Cedar Hollow, Pa.	ton.	9.00 -	—
Crab Orchard, Tenn.	ton.	7.90 -	—
Eagle Mountain, Va.	ton.	8.50 -	—
Farnams, Mass.	ton.	9.00 -	—
Gibsonburg, Ohio	ton.	7.50 -	—
Hannibal, Mo.	ton.	7.50 -	—
Keystone, Ala.	ton.	7.90 -	—
Knoxville, Tenn.	ton.	7.90 -	—
Limedale, Ark.	ton.	8.00 -	—
Longview, Ala.	ton.	7.90 -	—
Manistique, Mich.	ton.	8.00 -	—
Marblehead, Ohio	ton.	8.50 -	—
Martinsburg, W. Va.	ton.	8.00 -	—
Menominee, Mich.	ton.	8.00 -	—
Mitchell, Ind.	ton.	7.50 -	—
Newala, Ala.	ton.	7.90 -	—
Ripplemead, Va.	ton.	8.50 -	—
Riverton, Va.	ton.	8.50 -	—
Rockland, Maine	ton.	8.00 -	—
Scioto, Ohio	ton.	6.50 -	—
Sherwood, Texas	ton.	7.90 -	—
Sherwood, Wisc.	ton.	8.50 -	—
Springfield, Mo.	ton.	8.00 -	—
Woodville, Ohio	ton.	8.50 -	—
York, Pa.	ton.	8.50 -	—
Hydrated, Adams, Mass.	ton.	10.00 -	—
Annville, Pa.	ton.	10.00 -	—
Bellefonte, Pa.	ton.	10.00 -	—
Berkeley, W. Va.	ton.	10.00 -	—
Buffalo, N. Y.	ton.	10.50 -	—
Carey, Ohio	ton.	8.50 -	—
Cedar Hollow, Pa.	ton.	10.00 -	—
Crab Orchard, Tenn.	ton.	10.65 -	—
Eagle Mountain, Va.	ton.	10.00 -	—
Farnams, Mass.	ton.	10.00 -	—
Gibsonburg, Ohio	ton.	9.50 -	—
[illegible] Mo.	ton.	9.50 -	—
Keystone, Ala.	ton.	11.65 -	—
Knoxville, Tenn.	ton.	10.65 -	—
LeRoy, Minn.	ton.	10.00 -	—
Limedale, Ark.	ton.	10.00 -	—
Longview, Ala.	ton.	11.65 -	—
Manistique, Mich.	ton.	9.50 -	—
Marblehead, Ohio	ton.	10.50 -	—
Martinsburg, W. Va.	ton.	10.00 -	—
Mitchell, Ind.	ton.	10.00 -	—
Newala, Ala.	ton.	11.65 -	—
Petoskey, Mich.	ton.	10.00 -	—
Port Island, Mich.	ton.	9.00 -	—
Rapid City, S. Dak.	ton.	12.00 -	—
Ripplemead, Va.	ton.	10.00 -	—
Rockland, Maine	ton.	9.00 -	—
Scioto, Ohio	ton.	8.00 -	—
Sherwood, Tenn.	ton.	11.65 -	—
Sherwood, Wisc.	ton.	10.00 -	—
Springfield, Mo.	ton.	9.00 -	—
Woodville, Ohio	ton.	8.50 -	—
York, Pa.	ton.	10.00 -	—
Spray, paper bgs., Adams, Mass.	ton.	10.00 -	—
Annville, Pa.	ton.	10.00 -	—
Bellefonte, Pa.	ton.	10.00 -	—
Carey, Ohio	ton.	11.00 -	—
Farnams, Mass.	ton.	9.50 -	—
Gibsonburg, Ohio	ton.	10.00 -	—
Marblehead, Ohio	ton.	10.00 -	—
Rockland, Maine	ton.	10.00 -	—
Scioto, Ohio	ton.	10.00 -	—
Woodville, Ohio	ton.	10.00 -	—
York, Pa.	ton.	10.00 -	—
Lime salts (see Calcium).			
Lime-ammonia-nitrogen[3] 20.6% N. (see Ammonia nitrate-limestone).			
Limestone, ground, bulk, works.	ton.	1.40 -	—
Linalool	lb.	7.25 -	7.60
Linalyl acetate, ex bois de rose, bots.	lb.	8.50 -	—
ex lignaloe wood, bots.	lb.	7.75 -	8.40
ex petitgrain, bots.	lb.	5.15 -	6.90
Linden flowers with leaves, bls.	lb.	.85 -	.90
without leaves, bls.	lb.	.65 -	.70
Linseed meal, 34%, bulk, c.l.,	ton.	No prices	
32%, same basis	ton.	No prices	
Litharge, com'l, powd., bbls., c.l. dlvd. Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash.	lb.	.13¼-	—
other points	lb.	.13 -	—
l.c.l., 5 tons, dlvd., Ala., Cal., Fla., Ga., La., Miss., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.13¾-	—
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash.	lb.	.14¼-	—
Colo., Mont., N. Mex., Wyo.	lb.	.14 -	—
other points	lb.	.13¾-	—
smaller lots, dlvd. Ala., etc.	lb.	.14¼-	—
Ariz., etc.	lb.	.15 -	—
Colo., etc.	lb.	.14¾-	—
other points	lb.	.14 -	—

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THAT SMELL BETTER . . . SELL BETTER
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MANUFACTURERS OF AROMATIC CHEMICALS, ESSENTIAL OILS, PERFUMES AND FLAVORS

Lithium bromide, bbls., 100-lb. lots, works, frt. equald..lb. 1.90 - —
smaller lots, works.....lb. 1.92 - 1.95
Carbonate, NF, bbls., kgs...lb. 1.25 - 1.30
Chloride, jars .....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs....lb. 1.40 - 1.41
Fluoride, bbls. .....lb. 2.45 - 2.60
Hydroxide, jars .....lb. 1.25 - 1.46
Iodide, bots. .....lb. 5.20 - —
jars .....lb. 5.05 - —
Stearate, fib. dms., works....lb. .55½- —
Lithopone, ordinary, bgs., c.l., (20 tons)..lb. .05 - —
l.c.l. .....lb. .05½- —
bbls., c.l. .....lb. .05½- —
l.c.l. .....lb. .05½- —
Titanated (high-strength), bgs. .....lb. .06¾- —
smaller lots .....lb. .07 - —
bbls., c.l. .....lb. .07½- —
smaller lots .....lb. .07½- —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst. ½c. higher.

Liverwort leaves, bls.....lb. .70 - .75
Lobelia herb, bls.....lb. .80 - .85
Lobeline sulphate, bots., wks.oz. 25.50 -33.00
Logwood extract, crystals, No. 1, bbls., l.c.l..lb. .34 - —
No. 2, bbls., l.c.l.....lb. .32 - —
liquid, No. 1, bbls., c.l....lb. .17 - —
No. 2, bbls., l.c.l.....lb. .16 - —
No. 3, bbls., l.c.l.....lb. .15½- —
No. 4, bbls., l.c.l. .....lb. .15 - —
solid, No. 1, bxs., l.c.l.....lb. .23 - —
No 2, bxs., l.c.l.....lb. .20 - —
bbls., c.l., Zone 1.....lb. .09½- —
No. 4, bxs., l.c.l.....lb. .23 - —
No. 3, bgs., l.c.l.....lb. .23¼- —
No 5, boxs., l.c.l.....lb. .21½- —
No. 6, boxs., l.c.l.....lb. .20½- .44¼
Lovage root, American (ligusticum actae folium), bbls..lb. 1.20 - 1.50
Lupulin, NF, tin.....lb. 12.75 -13.00
Lycopodium, USP, cs.....lb. 2.50 - 3.00

M

Mace, Banda, cs.....lb. No stocks.
West Indian, bgs.....lb. 1.70 - 1.80
Broken, bgs. .....lb. 1.30 - 1.40
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia arsenate,[1] dms.....lb. .153 - .16
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., bgs., c.l., l.c.l., Zone 1..lb. .07¼- —
bbls., c.l., Zone 1.....lb. .07½- —
l.c.l., Zone 1.....lb. .08¼- —
kgs., c.l., Zone 1.....lb. .08¾- —
l.c.l., Zone 1.....lb. .09¾- —
USP, bgs., c.l., Zone 1.....lb. .08 - —
l.c.l., Zone 1.....lb. .09 - —
bbls., c.l., Zone 1.....lb. .08½- —
l.c.l., Zone 1.....lb. .09½- —
kgs., c.l., Zone 1.....lb. .09¼- —
l.c.l., Zone 1.....lb. .10¾- —
Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa. Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.

Chloride, anhyd., bbls., dlvd.lb. .12¾- —
flake, bbls., c.l., works...ton. 32.00 - —
l.c.l., works.....ton. 39.00 -42.00
Fluoride, bbls.....lb. .20 - .25
Hydroxide, medicinal, bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works..lb. 1.00 - 1.05
Phosphate, tribasic, USP, bbls. .....lb. .60 - —
Silicate (see Talc).
Silicofluoride, bbls.....lb. .08 - .09
Stearate, ctns., 2,000 lbs. to c.l. .....lb. .50 - —
less than ton.....lb. .51 - .52
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots.....lb. .42 - —
Magnesite, cal., powd., bgs., c.l., miner Calif..ton. 58.75 - —
dead-burnt, bulk, c.a., Chewelah, Wash..ton. 22.00 -32.00
Maleic anhydride, dms., c.l....lb. .25 - —
l.c.l. .....lb. .26 - —
Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. 1.55 - 1.60
Leaves, bls.....lb. .40 - .41
Manaca root, bls.....lb. .49 - .50
Mandrake root, bls.....lb. .83 - .84
Manganese acetate, dms.....lb. .25½- —
Arsenate,[6] bgs. .....lb. .12 - .12¾
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., bbls., wks.lb. .14 - .16
Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works..ton. 74.00 - —
smaller lots, works..ton. 77.00 -82.00
86-90%, bbls., c.l., works... ton. 74.00 - —
smaller lots, works..ton. 77.00 -82.00
burlap bgs., c.l., works. ton. 71.75 - —
l.c.l., works.....ton. 74.75 -79.75
paper bgs., c.l., works.ton. 70.00 - —
l.c.l., works.....ton. 73.00 - —
Glycerophosphate, fib. dms..lb. 4.25 - —
Hydrate, bbls., dlvd.....lb. .28 - —
Iodide, bots.....lb. 5.70 - —
jars .....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .42¾- —
solid, precip., 8.2%, bbls..lb. .44¾- —
Naphthenate, 6% Mn, dms...lb. .17¾- —
Resinate, fused, 3½%, bbls..lb. .09 - .10½
precip., dms.....lb. .17½- —
Soyate, 8.2% Mn, dms.....lb. .22 - —
Sulphate, anhyd., dms., works. .....lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .06
fertilizer grade, 65%, bgs., c.l., dlvd. East..ton. 62.00 - —
l.c.l., same basis, or Balto. or Cincinnati... ton. 65.00 -
industrial grade, 80%, bgs.lb. .05 - .05¾
75%, bgs., c.l., dlvd. East. ton. 60.00 - —
Tallate, 4% Mn, dms.....lb. .10¼- .11¼
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock, U. S. ports..ton. 58.00 Nom.
Manna, flake, large, cs.....lb. 1.50 - 1.55
small, cs.....lb. No stocks
Mannitol,[6] com'l, bbls., works.lb. .35 - .40
reagent, cs. or multiples, works..lb. .55 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
California, French type, new crop, bls., Pacific Coast.lb. .35 - .38
Chilean, bls. .....lb. .09 - .09½
Matico leaves, bls.....lb. .22 - .25
Menadione, USP, bots., works, gram. .10 - —
Menthol, natural, USP, Brazilian, cns..lb. 8.00 - 8.25
synthetic, tech., cns.....lb. No prices.
USP, laevo, cns.....lb. No prices.
racemic, cns. .....lb. 6.10 - 6.20
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .72
30%, pails .....lb. 1.50 - —
60%, pails .....lb. 1.68 - 1.90

Mercury bichloride (see Corrosive sublimate).
Bisulphate, dms. .....lb. 2.59 - 2.61
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 3.86 - —
Iodide, red, NF, dms.....lb. 4.30 - —
yellow, NF, fib. dms.....lb. 4.40 - —
Oxide, red, NF (see Red precipitate).
yellow, USP, fib dms.....lb. 2.94 - 2.99
tech. (see Yellow mercury oxide).
Mesityl oxide, dms., c.l., dlvd.lb. .11½- —
l.c.l., dlvd. .....lb. .12 - —
tanks, dlvd. .....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. No stocks
Gold X+, deep, 23, 3⅜x3⅜ in., pkg. No stocks
Silver, 3⅜x3⅜ in.....pkg. No stocks
Metanitroparatoluidin, bbls....lb. 1.16 - 1.21
Metaphenylenediamine, kgs....lb. .72 - —
Metatolylenediamine, kgs.....lb. .77 - —
Methanol, natural, all grades, dms., c.l., E. of Miss. R. gal. .63 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .60 - —
Prices on natural methanol W. of Miss. R., 3c. higher.
synth., dms., c.l., Zone 1, frt. alld..gal. .31 - —
2 frt. alld. or dlvd....gal. .34 - —
3, frt. alld.....gal. .38 - —
4 frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld. .....gal. .43 - —
3, dlvd. S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —
2, frt. alld.....gal. .27 - —
Methanol, synth., tanks, Zone 1, frt. alld..gal. .24 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —
Synthetic methanol zones are.—Zone 1—Conn. Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 3—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, non-ref. dms., c.l., dlvd..lb. .16 - —
10 dms. .....lb. .17¼- —
1-9 dms. .....lb. .18¼- —
c.l., dlvd..lb. .16½- —
10 dms., dlvd. .....lb. .17¾- —
1-9 dms., dlvd. .....lb. .18¾- —
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss. .....lb. .11½- .12
l.c.l., E. of Miss....lb. .11 - .14
W. of Miss. .....lb. .12 - .13
tanks, E. of Miss.....lb. .09½- —
W. of Miss. .....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .08
W. of Miss. .....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10½
tanks, E. of Miss.....lb. .06
W. of Miss.....lb. .07 -

Methyl acetoacetate, dms., c.l., works, frt. alld..lb. .80½- —
Acetone, natural, Group A, dms., incl. E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis.....gal. .60 - —
Natural methyl acetone prices W. of Miss. R., 3c. per gal. higher.
Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis. gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
tanks, Zone 1, same basis. lb. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4 same basis.gal. .64½- —
Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.
synthetic, dms., c.l., Zone 1, gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —

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The extra benefits of these new Kellogg "high-speed" oils will become more and more important when all materials are more readily available and the industry swings into full production. Right now is an excellent time to become familiar with their properties and applications. Use the service of the Kellogg Technical Service Department to obtain the information you need.

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The First Name in Vegetable Oils

Methyl acetone, synth., dms.,
- c.l., one l..gal. .54½- —
- Zone 2.....gal. .5- —
- Zone 3.....gal. .58 - —
- Zone 4.....gal. .59½- —
- tanks, Zone 1.....gal. .43 - —
- Zone 2.....gal. .44½- —
- Zone 3.....gal. .45½- —
- Zone 4.....gal. .46½- —

Synthetic methyl acetone zones are:—Zone 1 Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Ariz., Cal. N. Mex., Mont., Nev., Idaho, Ore., Utah. Wash.

Alcohol (see Methanol).
- Anthranilate, dms. .....lb. 1.80 - 2.70
- cns., cns. .....lb. 2.20 - 2.60
- Benzoate, cns. .....lb. .48 - 1.20
- Bromide, cns.....lb. .63 - .65
- cyls. .....lb. .55 - .70
- Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cylinders. .....lb. .33 - —
- service men and consumers..lb. .36 - —
- 50 to 499 lbs., mach. mfrs. and jobbers..lb. .36 - —
- service men and consumers, 500-lb..lb. .40 - —
- tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
- service men and consumers..lb. .36 - .40
- 60-499 lb. cyl.....lb. .40 - —

Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 180-lb. cylinders; 20-lb. cylinders 10c. per pound higher.

Methyl alcohol (see Methanol).
- Cinnamate, cns. .....lb. 2.00 - 3.50
- Formate, dms.....lb. .80 -
- Iodide, bots.....lb. 4.00 - 4.15
- Lactate, dms., c.l., dlvd.....lb. No stocks
- Oleate, dms., c.l.....lb. .25 - —
- Salicylate, dms., 500 lbs.....lb. .35 - —
- 25-50 lbs.....lb. .37 - .3[illegible]

Methylamyl ketone, cns., dms., works..lb. No stocks

Methylcellulose, special, vis. (4,000 cps.) 5lb. ctns., 2,000 lbs. or more, frt. alld..lb. .6[illegible] - —
- smaller lots, frt. alld....lb. .68 - .70
- standard vis. (15-1,500 cps.), 5lb. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
- smaller lots, frt. alld....lb. .5[illegible] - .6[illegible]

Methylcyclohexane, 98-100%, dms., works..lb. .16 - —

Methylcyclohexanol, 98-100%, dms. works .lb. .23 - —

Methylcyclohexanone, 98-100%, dms., works..lb. No stocks

Methylene blue, USP, kgs., works. lb. 2.00 - 2.10
- cns., works.....lb. 2.35 - —
- Chloride, refrig., dms., wks..lb. .18 - .20
- solvent, dms., works.....lb. .12 - .15

Methylenedianilin, lbs., ton lots, min. frt. alld..lb. .36 - —
- smaller lots, same basis....lb. .37 - —

Methylethyl ketone, dms., dlvd.lb. .08 - —
- l.c.l., dlvd.....lb. .09½- —
- tanks, dlvd.....lb. .08 - —

Methylhexyl ketone, dms., tech., works..lb. .60 - —

Methylisobutyl carbinol (see Carbinol, methylisobutyl).

Methylisobutyl ketone, dms., c.l., dlvd .lb. .11½- —
- l.c.l., dlvd.....lb. .12 - —
- tanks, dlvd.....lb. .10½- —

Methylnaphthyl ketone, cns. .lb. 3.75 -

Methylpentanediol, dms., works..lb. .16 - —
- **l.c.l., works**.....lb. .16½- —
- **1 and 5-gal. cont., works**..lb. .20½- .25½
- **tanks, works**.....lb. .15 - —

Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.47.50 - —
- l.c.l., works.....ton.51.00 - —

roofing, 20 to 80 mesh, works. ton.50.00 -60.00

graphite, bulk, Pa., mines.ton.80.00 - —

wet-grd., biotite, bgs., c.l., works frt. alld. E..lb. .06 - —
- l.c.l., ex whse., or frt. alld. E..lb. .06½- —
- extra fine, bgs., c.l., works, frt. alld. E..lb. .05½- —
- l.c.l., ex whse. or frt. alld. E..lb. .05¾- —

Mica, wet-grd., paint or lacq., bgs., c.l., works, frt. alld. E..lb. .06 - —
- l.c.l., ex whse. or frt. alld. E..lb. .06½- —

rubber, bgs., c.l., works, frt. alld. E..lb. .05¾- —
- l.c.l., ex whse. or frt. alld. E..lb. .06¼- —

wallpaper, bgs., c.l., works, frt. alld. E..lb. .06 - —
- l.c.l., ex whse. or frt. alld. E..lb. .06½- —

white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06½- —
- l.c.l., ex whse. or frt. alld. E..lb. .07 - —

Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, ¾c. higher.

Milk powder,[7] skimmed, roller, bulk, c.l..lb. .15¼- .17¼
- spray, bulk c.l.....lb. .15¾- .17¼
- whole, roller, bbls., c.l....lb. .40 - .41
- spray, bbls., c.l.....lb. .41 - .42

Milk sugar, bbls., c.l., works..lb. .26 - —
- l.c.l., works.....lb. .28¾- .27¼

Mineral spirits (see Petroleum, mineral spirits).

Molasses,[8] blackstrap, tanks, works Area 1..gal. .18 - —
- Area 2.....gal. .18½- —
- Area 3.....ton.26.00 - —
- Area 4.....ton.29.00 - —
- tanks, Area 5.....ton.34.00 - —

Area 1, Fla., Ga., La., Tex.; Area 2, Miss., Md., N. J., N. Y.; Area 3, Calif.; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).

Molybdenum metal,[6] kgs., 99% powd..lb. 2.60 - 3.00

Trioxide,[6] pure, kgs., works, basis Mo. content..lb. .95 - —
- technical, kgs., works, basis Mo. content..lb. .80 - —

Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
- l.c.l., works, basis 100%...lb. .64 - —

Monochlorobenzene, dms., c.l., works..lb. .06 - —
- l.c.l., works.....lb. .06½- —

Monoethanolamine, dms., c.l., frt. alld. E..lb. .24 - —
- l.c.l., same basis.....lb. .25 - —
- tanks, same basis.....lb. .23 - —

Monoethylamine, dms., c.l., works, basis 100%..lb. .17 - —
- l.c.l., works, basis 100%..lb. .18 - —
- tanks, 100%, basis, works..lb. .15 - —

Monomethylene, anhydrous, cyl., works, frt. alld. E. of Miss. 100% basis..lb. .32½- —
- solution, dms., works, frt. alld. E. of Miss., 100% basis. lb. .37 - .43½
- **tanks, same basis**.....lb. .32 - —

Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90

Monosodium phosphate (see Soda phosphate, monobasic).

Morphine, bots., 5 ozs.....oz.11.10 - —
- cns., 25 ozs .....oz.10.90 - —

Acetate, bots., 5 ozs.....oz. 9.00 - —
- cns., 25 ozs. .....oz. 8.80 - —

Hydrobromine, 5 ozs. .....oz. 8.95 - —
- cns., 25 ozs. .....oz. 8.75 - —

Hydrochloride, bots., 5 ozs..oz. 9.00 - —
- cns., 25 ozs. .....oz. 8.80 - —

Sulphate, bots., 5 ozs.....oz. 9.00 - —
- cns., 25 ozs.....oz. 8.80 - —

Morpholine, dms., l.c.l., works. lb. .67 - —
- smaller containers, works...lb. .75 - —

Mullein leaves, cns.....lb. .12 - .18

Musk, nat., Tonquin, grains, bots., oz.55.00 -60.00
- synthetic, ambrette, cns., 100 lbs. or more..lb. 4.00 - 9.10
- 25 lbs. .....lb. 4.10 - 9.20
- 5 lbs. .....lb. 4.25 - 9.45
- ketone, cns., 100 lbs. or more..lb. 4.15 - 9.25
- 25 lbs. .....lb. 4.25 - 9.35
- 5 lbs. .....lb. 4.40 - 9.70
- xylol, cns. .....lb. 1.40 - 2.00
- 25 lbs. .....lb. 1.50 - 2.00
- 5 lbs. .....lb. 1.65 - 2.00

Muskroot, bls.....lb. No prices

Mustard seed, Calif., Brown, bgs. lb. .15½- .16
- yellow, bgs.....lb. .21 Nom.
- Danish, yellow, bgs., futures.. lb. .23 - .23½
- Montana, brown, bgs., futures. lb. .11 - .11¼
- oriental, bgs. .....lb. .11 - .11½
- futures, f.o.b. source....lb. .08¾- .09¾
- yellow, bgs.....lb. No prices
- futures, f.o.b. source...lb. .08½- .09

Washington, yellow, bgs.....lb. .17½- .18

Myrobalans, whole, J1, U. S. ports, ex dock..ton.46.00 -47.00
- J2, same basis.....ton.42.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).

Naphthalene, dom., crude, 74°, bgs., c.l., frt. equald..lb. — - —
- bbls., c.l., same basis..lb. — - —
- tanks, same basis.....lb. .035 - —
- 78°, bgs., c.l., same basis. lb. — - —
- bbls., c.l., same basis..lb. .0410- —
- tanks, same basis.....lb. .0375- —
- refined, balls, flakes, bbls., wholesalers and jobbers, c.l., works..lb .09½- —
- 50-lb. cs., same basis....lb. .09¾- —
- 1-lb. pkgs., same basis..lb. .11 - —

Neocinchophen, USP, dms., works. lb. 7.00 - 7.10

Nepheline syenite, glass grade, 24 mesh, bulk, Rochester, N. Y...ton.12.00 - —
- pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —

Nephelinesyenite in bgs. is $2 per ton higher than bulk.

Nerolin, crys., cns.....lb. 1.70 - 1.95

Niacin (see Acid, nicotinic).

Nickel, carbonate, bbls.....lb. .36 - .36¼
- Chloride, bbls. .....lb. .18 - .20
- Cyanide, bots., dms.....lb. No stocks
- Oxide, black, bbls.....lb. .35 - .38
- Salt, bbls. .....lb. .13 - .13½

Nicotinamide, USP, dms., works, kilo. 9.50 - 9.80

Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 96 lbs..lb. .8660- —
- tins, 10 lbs. .....lb. 1.015 - —

Niketh amide, bots., cbys.....lb. 7.00 - 8.00

Nitercake, bulk, works.....ton.16.00 - —

Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
- l.c.l. .....lb. .09 - —
- tanks .....lb. .07 - —

Nitrocellulose, alcohol-soluble, ⅛ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
- 5-6, 40-60 cps., same basis. lb. .27 - —
- Ester-soluble, ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
- 5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —

Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.

Nitroethane, dms., works.....lb. .25 - —

Nitrogen solut., tanks.....ton.108.21 - —

Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va., bulk, works.

Nitrogenous process tankage,[1,7] bulk, works..unit-ton. 3.15 - 3.50
- Sewage sludge, bulk, works. unit-ton. 2.60+.40-3.00+.40

Nitromethane, dms., c.l., works, lb. .25 - —

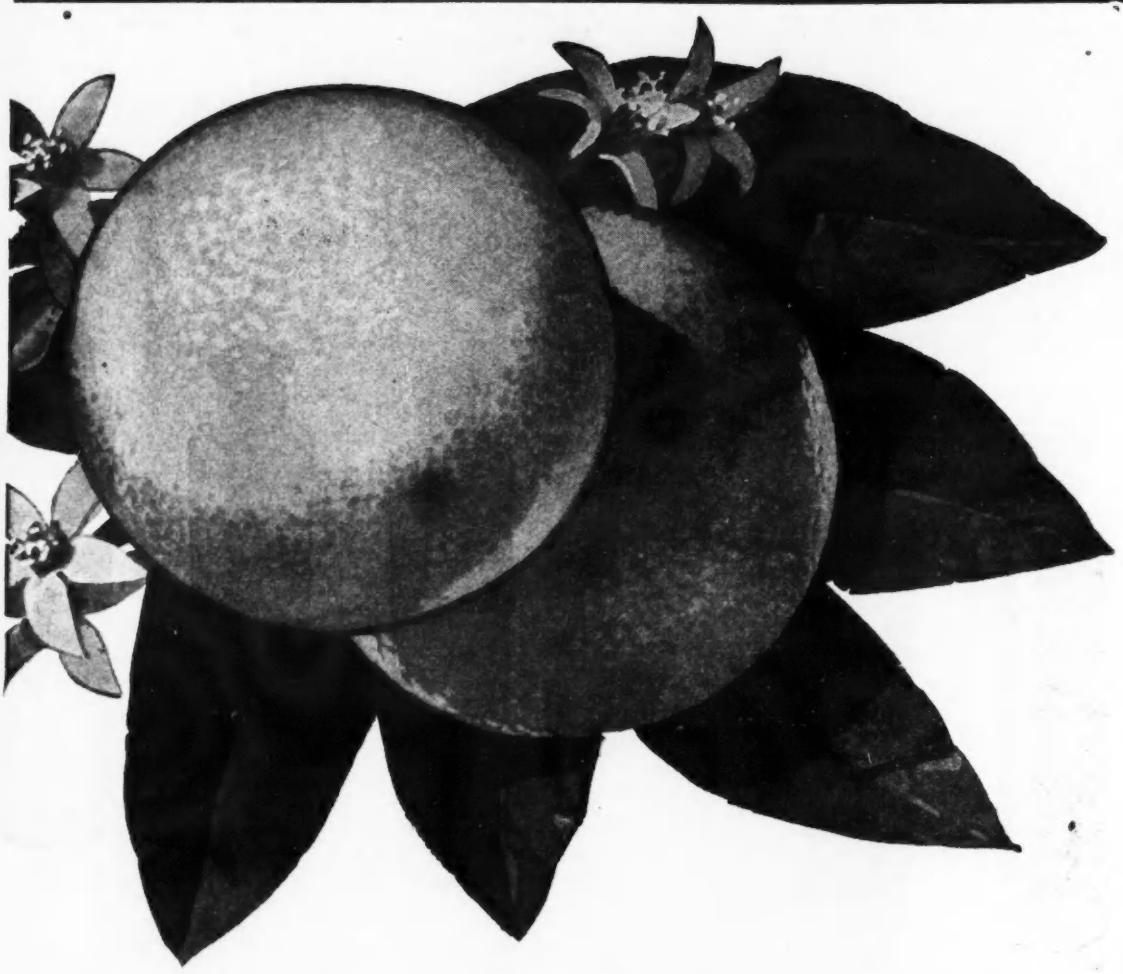
Nitronaphthalene, bots. .....lb. .24 - .26

Nitropropane 1, dms., works..lb. .25 - —
- M, dms., works.....lb. .26 - —

Nutgalls, bgs.....lb. .44 - .50

Nutmegs, West Indian, bgs., Nov.-Dec..lb. .30 - .32

Nux vomica, bls. .....lb. .09½- .10
- powder, bbls., bxs.....lb. .12 - .13



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Exchange
OIL OF
ORANGE
U. S. P.

O

Oakbark extract, 25% tannin, obls., c.l., works lb. No stocks
Octane, 100° C-140° C, industrial grade dms., c.l., G.3..gal. .15½- —
l.c.l., G. 3.....gal. .29 - —
10 gals., G. 3.....gal. .55 - —
tanks, G. 3.....gal. .13 - —
Octanol, (see Alcohol, ethylhexyl).
Oil, almond, artificial (see Benzaldehyde)
Bitter, F P A., bots.....lb. 4.35 - 5.00
USP, bots.....lb. No prices
sweet, exp., dms., cns....lb. 1.10 - 1.45
Angelica root, bots.....lb.115.00 -275.00
Seed, bots.....lb.115.00 -265.00.
Anilin (see A).
Anise, USP, Chinese, dms....lb. 1.25 - 2.75
Russian, cns.....lb. 3.75 - —
Apricot kernel, cns.....lb. .65 - .85
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu, tanks.....lb. No prices
Bay, W. I., 50-55%, cns.....lb. 1.30 - 1.65
Puerto Rican, 50-55%, cns..lb. 1.58 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 5.50
natural, Italian, cns.....lb. 4.50 - 6.50
Birch (see Oil, sweet, birch).
Birchtar, crude, cns.....lb. 5.00 - 6.00
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns....lb. 5.30 - 6.00
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cajeput, tech., dms.....lb. 2.70 - 2.90
redistilled, USP IX, cns...lb. 2.85 - 3.20
Calamus, cns.....lb.20.00 -30.00
Camphor, white, nat., cns...lb. .95 - 1.25
synthetic, dms.....lb. .45 - .35
Cananga, native, cns.....lb. 8.00 -14.00
rectified, cns.....lb.10.50 -17.00
Capsicum (see Capsicum, oleoresin).
Carsway, NF, cns.....lb. 6.00 - 8.75
Cardamom, bots.....lb.19.00 -26.00
Cassia, USP, cns.....lb. 3.50 - 6.50
Castor, blown, ret. dms., c.l..lb. No prices
l.c.l.....lb. No prices
cold-pressed, USP, ret. dms., c.l..lb. .30 - —
l.c.l.....lb. .31 - —
tanks.....lb. .29 - —
dehydrated, bodied, dms., c.l. lb. No prices
l.c.l.....lb. .38 - —
tanks.....lb. .36½- —
unbodied, dms., c.l.....lb. No prices
l.c.l.....lb. .36½- —
unbodied, tanks.....lb. .35 - —
No. 3, tech., dms., c.l....lb. .29¾- —
l.c.l.....lb. .30¾- —
tanks.....lb. .28¾- —
sulphonated, 50% (48% fat), dms., c.l..lb. No prices
l.c.l.....lb. No prices
75% (62-64% fat), dms., c.l. lb. No prices
l.c.l.....lb. No prices
Cedarleaf, USP, cns., dms..lb. 2.55 - 2.70
Cedarwood, USP, cns.....lb. .80 - 1.30
dms.....lb. .86 - 1.15
Celery, bots.....lb.17.00 -22.00
Chaulmoogra, USP, cns.....lb .80 - .87
Chinawood (see Oil, tung).
Cinnamon bark oil, bots.....lb.32.00 -41.00
leaf, dms.....lb. 1.40 - 1.85
Citronella, Ceylon, cns.....lb. 2.10 - 2.75
Java, cns.....lb. 4.75 - —
Clove, USP, cns.....lb. 1.55 - 1.85
Coconut, Ceylon type, tankcars. lb. .23 Nom.
Pac. Coast, tankcars.....lb. .22 - —
refined, Cochin type.....lb. No prices
bleached, undeod., tankcars. lb. No prices
deod., tankcars.....lb. No prices
Cod, Newfoundland, dms..gal. No prices
tanks.....gal. No prices
Codliver, USP, bbls., dms..gal. 2.60 - 3.80
Coriander, bots.....lb.18.00 -22.50
Corn, crude, tanks, works..lb. .26½- —
deod., bichd., tanks, Chicago.. lb. No prices
foots, acid, 95%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd. E.lb. No prices
Cottonseed, crude, tanks, works (see Cottonseed Oil market report).
foots, acid 95%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd. E. lb. No prices
salad, or winterized, tankcars lb. No prices
Creosote (see C).
Croton, NF, cns.....lb. 4.75 - 5.50
Cubeb, cns.....lb. No prices
Crude (see Petroleum, crude)
Cumin, bots.....lb. 8.50 -22.00
Cypress, bots.....lb.12.00 -16.00
Dagras (see D).
Dillseed, bots.....lb. 6.75 - 7.00
Dillweed, bots.....lb. 4.75 - 5.00
Dip (see D).
Erigeron, cns.....lb. 2.25 - 4.40
Eucalyptus, USP, rect., 80-90%, cns..lb. 1.18 - 1.40
70-80%, cns.....lb. 1.05 - 1.40
Fennel, sweet, cns.....lb. 3.75 - 4.50
Fir, Canada, cns.....lb. 2.50 - 2.80
Fishliver, dms., less than 40,000 A units per gram.... per million units. .80 - —
for each 1,000 additional A units up to 200,000 grams. per million units. .001 - —
200,000 or more A units..... per million units. .40 - —
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots.....oz.15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.16.00 -28.00
Bourbon, cns.....lb.16.25 -22.00
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.10.50 -14.00
Grapefruit, Florida, cns.....lb. 2.20 - 2.45
California, bots., cns.....lb. 2.30 - —
Grease, common, No. 1, bbls., c.l..lb. No prices
extra, No. 1, bbls., c.l....lb. No prices
Winter strained, bbls., c.l..lb. No prices
prime, burning, bbls., c.l..lb. No prices
inedible, bbls., c.l.....lb. No prices
Guaiacwood, cns.....lb. 2.90 - 4.00
Hemlock, cns.....lb. 2.60 - 2.75
Herring, crude, tanks, Pac. coast..lb. No prices
Juniper berry, dom., bots....lb. 6.50 - 8.50
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns.....lb. .65 - 1.00
Lard oil (see Oil, grease).
Laurel, bots.....lb. No prices
Lavandin, cns.....lb. 4.00 - 5.00
Lavender flower, French, 38%-42% ester, cns..lb.10.00 -17.00
30-32% ester.....lb. 6.00 -10.00
Russian, cns.....lb.13.75 - —
Spike, Spanish, pure, cns...lb. 2.05 - 3.10
tech., cns.....lb. 2.10 - 2.50
Lemon, USP, Calif., cns.....lb. 3.25 - 3.45
Messina, cns.....lb. 3.25 - 4.00
Terpeneless, bots.....lb.40.00 -50.00
Lemongrass, cns., dms.....lb. 3.80 - 4.45
Lignaloe wood, Mexican, cns.lb. No stocks
Wood, Mexican, cns.....lb. 4.60 - 5.75
Brazilian (see Bois de Rose).

Oil, lime, distilled, Mexican, cns. lb. 5.25 - 7.20
West Indian, cns.....lb. 6.00 - 7.50
expressed, West Indian, cns.lb.13.00 -15.00
Linseed, raw, dms., c.l.....lb. .3580- .3640
l.c.l.....lb. .3620- .3740
tanks.....lb. .3480- .3540
tankwagon.....lb. .3500- .3560
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l. lb. .3180- .3290
l.c.l.....lb. .3220- .3390
tanks.....lb. .3180- .3190
Lubricating, at refinery, ex tax, California, neutral, pale, 200-800 vis., 2¼-4 pour, tanks..gal. .07¼- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07¼- 11¼
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks. gal. .23 - 25
neutral, 300 vis., No. 3, col., 0.10 pour, tanks. gal. .18½- .19
200-300 vis., No. 3, col., 15-25 pour, tanks.gal. .16 - .18
145-155 vis., No. 3, color, 10-25 pour, tanks..gal. .26 - 31
cylinder oils, 600-630 flash, tanks..gal. .17 - .19
600-650 steam, refd., tanks..gal. .15½- 20
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks. gal. .26 - 38
200 vis., 25 pour, tanks. gal. .28 - .38
Mace, dist., cns., dms.....lb. 6.75 - 7.50
Mineral, white (see Oil, white).
Mandarin, Brazilian, cns....lb. 5.25 -10.00
Menhaden, crude, tanks, Balto. lb. .21½ Nom.
refined, alkali, dms., c.l...lb. .30½- —
kettle-bodied, dms., l.c.l..lb. .32 - —
light-pressed, dms., l.c.l..lb. .29 - —
tanks.....lb. .28 - —

Oil, mustard, artif., USP, cns.lb. 1.45 - 1.65
Seed, exp., dms., c.l.....lb. .30 - —
Neatsfoot, 15°, bbls.....gal. No prices
20°, bbls.....gal. No prices
30°, bbls.....gal. No prices
pure, bbls.....lb. No prices
Neroli, French, bots.....lb.150.00 -300.00
Haitian, bots.....lb.170.00 -200.00
Nutmeg, cns.....lb. 6.75 - 7.50
Ocotea cymbarum, dms.....lb. .90 - 1.00
Oiticica, liquid, tankcars....lb. .33½- —
dms., carlots.....lb. .34½- —
l.c.l.....lb. .34¾- —
Oleo, extra, tcs., Chicago....lb. .35 - —
prime, Chicago.....lb. No prices
Olibanum, bots.....lb. 5.00 - 6.25
extra fine.....lb 6.25
Olive, denat., dms.....gal. No stocks
edible, Calif., 3%-½% f.f.a., dms., extra, works..gal. No prices
imported, dms.....gal. 8.50 - 8.75
foots, dms., c.l.....lb. No prices
tankcars.....lb. No prices
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l.....lb. No stocks
80% (68% fat), dms., c.l.lb. No stocks
l.c.l.....lb. No stocks
85% (68% fat), dms., c.l.lb. No stocks
l.c.l.....lb No stocks
Orange, sweet, dist., cs.....lb. 1.25 - 1.75
expressed, USP, Brazilian, cns. lb. 1.45 - 2.00
Calif., cns.....lb. 1.60 - 2.00
Florida, cns., dms.....lb. 1.45 - 1.80
Messina, coppers.....lb. No stocks
West Indian, cns.....lb. 2.25 - 2.75
sesquiterpeneless, bots. ....lb.100.00 -135.00
Origanum, Spanish, cs.....lb. 2.40 - 3.25
Palm, Niger, dms.....lb. No prices
Palmarosa, cns.....lb. 8.50 - 9.50
Palmkernel, crude, bulk, c.i.f., N. Y..lb. No prices

Oil, paraffin, 300° flash, 100-110 vis., tanks, G.3..gal. .05¾- —
320° flash, 60-70 vis., tanks, G.3..gal. .05¾- —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.3..gal. .08 - —
80-85 vis., 0/10 pour bbls. extra, incl. ref'y..gal. .12 - —
100-110 vis., 0/10 pour, same basis..gal. .08½ —
10/25 pour, same basis.gal. .08¾ —
Patchouli, imported, cns....lb.60.00 -114.00
Peanut, bleached, undeod., tankcars..lb. No prices
crude, tanks, works.....lb. .28 - —
foots, acid, 95%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd., E..lb. No prices
hydrogenated, tankcars.....lb. No prices
Pennyroyal, dom., dms., cns.lb. 3.25 - 4.00
import, cns.....lb. 4.25 - 5.00
Peppermint, natural, dms...lb. 7.75 - 8.25
redist., USP, dms.....lb. 8.30 - 8.75
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns...lb. 3.85 - 4.75
Pimento, berry, dms.....lb. 6.75 - 8.00
Leaf, cns.....lb. 3.25 - 3.65
Pine, destructively dist., dms., c.l., incl. wks., South..gal. .70 - —
l.c.l., same basis.....gal. .71 - —
tanks, wks., South.....gal. .61 - —
steam-dist., dms., dlvd. E.gal. .80 - —
Pineneedle, cns.....lb. 3.35 - 3.60
Pyro, petroleum, heavy, dms. gal. .18 —
tankwagon.....gal. .19½- —
light, dms.....gal. .07½ —
tankwagon.....gal. .12½- —
Rapeseed, bulk.....lb. No prices
Red, single dist., ret. dms...lb. .29¾- .30¾
tanks, dlvd., E. of Rockies. lb. .28½- —
double dist., ret. dms.....lb. .32¾- .33¾
Rose, natural, coppers.....oz.31.25 -40.00
Rosemary, Spanish, tech., cns., dms..lb. 1.10 - 1.30
USP, cns., dms.....lb. 1.08 - 1.75

VANILLIN PRICE CHANGE

(Effective January 1st, 1947)

Because of the increased cost of production (both labor and raw material) we have found it necessary to increase the selling price of our Vanillin to $3.00 per lb. in 25 lb. containers and $3.05 per lb. in 5 lb. containers, packing and delivery included.

Our price schedule has been maintained without advance throughout the war. We had hoped to maintain it in the post-war period as well. However, conditions entirely beyond our control have forced us to take this step.

ESTABLISHED 1910 GD AROMATICS DIVISION

Aromatics Division
GENERAL DRUG COMPANY
125 Barclay St., New York 7, N. Y.
9 S. CLINTON STREET, CHICAGO 6 1019 ELLIOTT STREET, W. WINDSOR, ONT.

Oil, rosin, 1st rectified, dms..gal. .66 - —
2d rectified, dms.....gal. .65 - —
3d rectified, dms.....gal. .72 - —
Rue, bots.....lb. 4.75 - 5.25
Sage, Dalmatian, cns.....lb. 5.75 - 6.50
Spanish, cns.....lb. 2.65 - 3.00
Sandalwood, NF, Mysore, cns., case lots..lb. 11.15 -21.00
Sardine, crude, tanks Pac. coast..lb. .23½- —
refined, alkali, dms., l.c.l..lb. .30½- —
kettle-bodied, dms., l.c.l..lb. .32 - —
light-pressed, dms., l.c.l..lb. .29 - —
tanks.....lb. .28 - —
Sassafras, artificial.....lb. .80 - 1.10
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP XII, cns. dms..lb. 1.95 - 2.30
Savin, cns.....lb. 6.25 - —
Savory, cns.....lb. 8.00 - —
Seal, No. 1, tanks, U.S. ports. lb. No prices
Sesame, tanks.....lb. No prices
Shingle stain, bbls., c.l., works. gal. .2185- —
l.c.l., works.....gal. .25 - .29
tanks, works.....gal. .16 - .19
Sinaseroot, Canada, cns.....lb. No stocks
Soybean, clarified, dms., l.c.l. lb. .2680- —
tanks.....lb. .2330- —
crude, tanks, denatur.....lb. .26½ Nom.
winterized, tankcars, Decatur..lb. No prices
refd., alkali, tanks.....lb. .2727 Nom.
foots, acid, 95%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd. E..lb. No prices
Spearmint, dms.....lb. 12.25 -15.00

Oil, sperm, bleached, 38°, dms.. lb. No prices
natural, 45°, dms.....lb. No prices
Spruce, cns., dms.....lb. 2.65 - 2.75
Sunflower, imported, refined, tanks..lb. No prices
semi-refined, tanks.....lb. No prices
Sweet birch, North, cns....lb. 5.00 - 7.50
South, cns.....lb. 2.00 - 3.50
Tall, crude, dms., c.l., works, ton. No prices
l.c.l., works.....ton. No prices
tanks, works.....ton. No prices
refined, dms., c.l., works..lb. .06¾- .08
l.c.l., works.....lb. .07¼- .08¼
tanks, works.....lb. .06 - .07¼
Tallow, acidless, bbls., c.l., Chicago..lb. No prices
tanks, Chicago.....lb. No prices
Tansy, cns.....lb. 12.00 - —
Tar, pine, crude, dms. incl., c.l., dlvd. E. cities..gal. .43 - —
l.c.l., works, South....gal. .40¾- —
tanks, dlvd. E. cities....gal. .34¼- —
rectified, USP, l.c.l. dms. incl., wks., South..gal. .60 - —
Tar acid (see T).
Thyme, red, NF, cns.....lb. 2.60 - 4.50
White, cns.....lb. 2.85 - 4.75
Tung, dms., c.l.....lb. .39 - .39½
c.l.....lb. .40 - .41
tanks.....lb. .38¾- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, USP, cns.. dms..lb. .30 - .55
Vetiver, Bourbon, cns.....lb. 37.50 -42.50
Haitian.....lb. 32.00 -35.00
Whale, ref., natural, dms....lb. No stocks
Winter bleached, dms.....lb. No stocks
Wheat germ, dms.....gal. 10.00 -13.50

Oil, white, mineral, tech., 59-68 vis., dms., incl., c.l..gal. .40 - —
l.c.l.....gal. .43 - .47
65-75 vis., dms., dms. incl., c.l..gal. .41 - —
l.c.l.....gal. .44 - .48
USP, 80/90 vis., dms., dms. incl., c.l..gal. .43 - —
l.c.l.....gal. .46 - .50
125/135 vis., dms., dms. incl., c.l..gal. .54½- —
l.c.l.....gal. .57½- .61½
145/155 vis., dms., dms. incl., c.l..gal. .56½- —
l.c.l.....gal. .59½- —
175/185 vis., dms., dms. incl., c.l..gal. .59 - —
l.c.l.....gal. .62 - .66
200/210 vis., dms., dms. incl., c.l..gal. .63 - —
l.c.l.....gal. .66 - .70
335/345 vis., dms., dms. incl., c.l..gal. .71 - —
l.c.l.....gal. .74 - .78
55, 70 and 85 vis., non-ret. dms., SanFrancisco..gal. .45 - —
smaller lots, same basis. gal. .47 - .50
100 vis., non-ret. dms., 65 dms., San Francisco..gal. .56½- —
smaller lots, same basis. gal. .57½- .61½
145 vis., non-ret. dms., 65 dms., San Francisco..gal. .64 - —
smaller lots, same basis gal. .66 - .69
180 vis., non-ret. dms., 65 dms., San Francisco..gal. .69½- —
smaller lots, same basis gal. .71½- .74½

Oil, white, mineral, USP, 240 vis., non-ret. dms., 65 dms., San Francisco..gal. .81 - —
smaller lots, same basis gal. .83 - .86
Wintergreen, natural, North, cns..lb. 5.50 -17.25
South, cns.....lb. 3.65 - 6.00
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, cns.....lb. 5.60 - 6.75
Wormwood, cns.....lb. 10.00 -12.25
Ylang-ylang, Bourbon, extra, bots..lb. 18.00 -24.00
first, bots.....lb. 14.00 -17.50
second, bots.....lb. 10.50 -14.00
third, bots.....lb. 5.75 - 9.00
Oleostearin, loose, Chicago....lb. No prices
Olivine, aggregate, c.l., mines.. ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
lumps, paper bgs., c.l., works. ton. 7.00 - —
spalls, paper bgs., c.l., works. ton. 5.00 - —
Opium, USP, cns.....lb. 21.30 -21.85
gran.....lb. 22.70 -29.95
powd.....lb. 22.70 -29.95
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies. lb. .05 - .08
Chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .23½- —

Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1½c. Miss., N. C., S. C., Tenn., Dallas, Tex., 1¾c.; Ft. Worth, Tex., 1½c.; El Paso, Tex., 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dinitroaniline, toner.....lb. 1.12 - —
Molybdate, bbls.....lb. .37½- —
Orthonitroaniline toner, bbls., kgs., works..lb. .86 - 1.05
Persian, bbls.....lb. .30 - .45
Orange mineral, American, bbls., 5 tons, dlvd. Ala., Cal., Fla., Ga., La., Miss., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .17¼- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .17¾- —
Mont., Wyo., Colo., N. Mex..lb. .17½- —
other points.....lb. .17 - —
smaller lots, Ala., etc...lb. .17¾- —
Ariz., etc.....lb. .18¼- —
Colo., Mont., N. M., Wyo..lb. .18 - —
other points.....lb. .17½- —
Orange flowers, bls.....lb. .46 - .48
Orange peel, bitter, Haitian, bis. lb. .13 - .15
Sweet, bls.....lb. .13½- .14
Oregano, Italian, bgs.....lb. .37 - .37½
Mexican, curly leaf, bgs.....lb. .10 - .10½
flat leaf, bgs.....lb. .09¾- .10¼
Portuguese, bgs.....lb. .24½- .25½
Orris root, Florentine, bls.....lb. .40 - .41
Verona, bls.....lb. .35 - .36
Portuguese, bls.....lb. .35 - .36
Orthoamylphenol, dms., works..lb. .25 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloroaniline, dms.....lb. .90 - —
Orthochlorophenol, dms.....lb. .26 - .27
Orthocresol, 30.4° C., min., M.P., dms., c.l., works..lb. .17½- .22
l.c.l., works.....lb. .18 - .18½
29° C. min., M.P., dms., c.l., works..lb. .16½- .17
l.c.l., works.....lb. .17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06½- —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.
Orthonitroaniline, dms.....lb. .43 - .45
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitrodiphenyl, tech., grade A., dms., c.l., works..lb. .10 - —
l.c.l., works.....lb. .11 - —
grade B, dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .07 - —
Orthonitroparachlorophenol, cns.. lb. .75 - —
Orthonitrotoluene, dms.....lb. .08 - .09
Orthophenetidin, dms.....lb. .90 - —
Orthotoluidin, dms.....lb. .18 - .19
Osage orange crystals, bbls....lb. .29 - —
extract, No. 1, bbls.....lb. .14 - —
Ouabaine, USP, bots.....gram. 3.00 - 4.00
Oxyquinolin sulphate, cns., 100 oz., works..lb. 3.50 - —
small lots, works.....lb. 3.75 - 4.15

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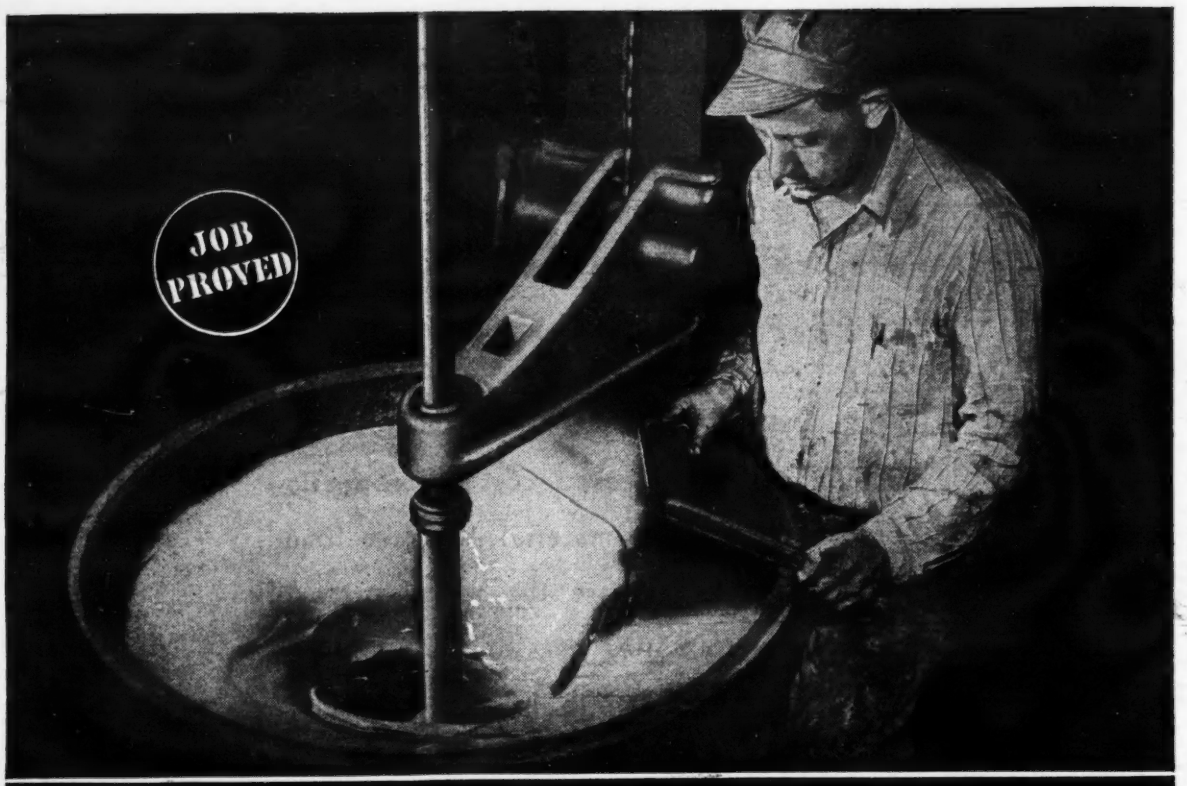
Papain, powd., cs.....lb. 5.75 - 6.00
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots..oz. 7.00 - —
smaller lots.....oz. 7.05 - 7.35
Sulphate, cns.....oz. 7.10 - 7.35
Paprika, Calif., sweet Callente, ground, bgs..lb. .40 - .41
Chilean, bgs.....lb. .38 - .38½
Portuguese, bgs.....lb. .38 - .41
Spanish, bgs.....lb. .43½- .44
Para-anisidin, dms., works....lb. .75 - —
Parachlorophenol, dms., c.l., works, lb. .24 - —
l.c.l., same basis.....lb. .25 - .27
Paracresol, bbls., works.....lb. .41 - —
Paracymene, dms., c.l., works.lb. .1595- —
l.c.l., same basis.....lb. .1645- —
tanks, same basis.....lb. .1545- —
Paradichlorobenzene, dms., c.l., works..lb. .12½- —
l.c.l., same basis.....lb. .14 - —
Paraffin, crude scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery..lb. .05½- —
fully ref'd slabs, loose, 117-119 ASTM, c.l., refinery..lb. .05 - —
123-125 ASTM, refinery.lb. .0520- —
125-127 ASTM, refinery.lb. .0520- —
128-130 ASTM, refinery.lb. .0560- —
130-132 ASTM, refinery.lb. .0585- —
133-135 ASTM, refinery.lb. .0615- —
135-137 ASTM, refinery.lb. .0640- —
Prices in bags 4/10c. lb. higher.
Paraformaldehyde, dms. 1,000 lbs. or more, works..lb. .21 - —
smaller lots, works.....lb. .22 - —
Paraldehyde, tech., 98% 55- and 110-gal. dms., l.c.l., wks..lb. .12 - —
10-gal. dms., works.....lb. .15 - —
USP, cbys., cns.....lb. .35 - .45
Paranitroaniline, kgs., works..lb. .41 - .43
Paranitrochlorobenzene, kgs., wks. lb. .18 - —
Paranitrophenol, kgs.....lb. .35 - —
Paranitrotoluene, kgs., works..lb. .30 - —



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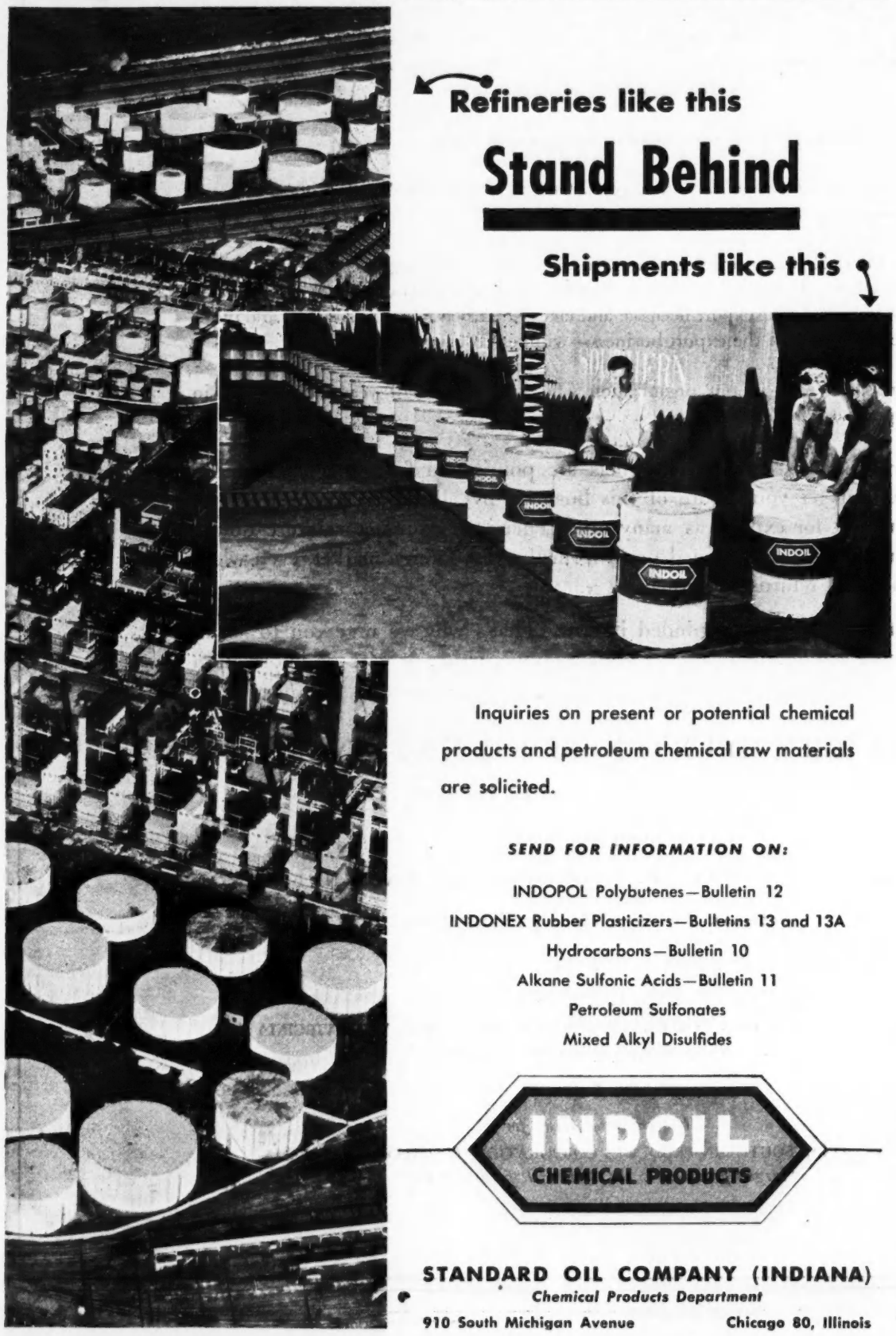
Paraphenylenediamine, tech. kgs.	lb.	1.25	- —
Paratoluenesulphonamide, bbls.	lb.	.70	- —
Paratoluidin, bbls., works	lb.	.44	- —
Paris green,[4] dealer, distributor, dms., kgs., c.l., works, frt. alld.	lb.	.36	- —
l.c.l., same basis	lb.	.37	- —
Passion flower herb, bls.	lb.	.30	- .32
Patchouli leaves, bls.	lb.	.38	- .40
Pectin, bbls.	lb.	1.25	- —
Penicillin,[4,6] ampule, per 100,000 unit.		.38	- —
Pennyroyal leaves, bls.	lb.	.24	- .25
Pentachlorophenol, dms., works,	lb.	.20	- .25
Pentaerythritol, CP, bbls. dlvd.	lb.	.75	- —
smaller containers	lb.	1.00	- —
tech., bbls., c.l.	lb.	.27	- —
l.c.l.	lb.	.31	- —
Pentane, 28°-38° C., industrial grade, dms., c.l., Group 3,	gal.	.11	- —
l.c.l., dms., Group 3,	gal.	.19	- —
tanks, Group 3	gal.	.07½	- .07¾
28°-38° C, laboratory grade, 10-gal. cns., dlvd. E.	gal.	.55	- —
dms., c.l., Group 3	gal.	.16	- —
l.c.l., Group 3	gal.	.29	- —
Pepper, black, bgs.	lb.	.87	- .89
futures, bgs.	lb.	.51	- .52
Red, capsicum, Carolina longs, new crop, bgs., shipment point	lb.	.54	- .55
sports, old crop, bgs.	lb.	No stocks	
Louisiana, longs, new crop, bgs., shipment point	lb.	No stocks	
sports, bgs.	lb.	No stocks	
Niger, bgs.	lb.	.47	- .48
Chillies, Haitian, bgs.	lb.	.56	- .57
Mexican, long	lb.	.50	- .51
White, bgs.	lb.	.70	- .72
Peppermint, dom., USP, bbls.	lb.	1.20	- 1.25
imported, USP, bbls.	lb.	1.25	- 1.30
Perchloroethylene, dms., c.l., Zone 1, works, frt. alld.	lb.	.0772-	.0800
Zone 2, same basis	lb.	.0832-	.0850
Zone 3, same basis	lb.	.0882-	.0900
Zone 4, same basis	lb.	.0876-	.0900
l.c.l., Zone 1, same basis	lb.	.0882-	.0850
Zone 2, same basis	lb.	.0882-	.0900
Zone 3, same basis	lb.	.0932-	.0950
Zone 4, same basis	lb.	.0926-	.0950
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Me., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.			
Peru balsam, dms.	lb.	1.35	- 1.60
Petrolatum, tech., dark, bbls., c.l., Group 3	lb.	.021	- —
golden topaz, bbls., c.l.	lb.	.032	- —
l.c.l.	lb.	.036	- —
red, veterinarian, bbls., c.l.	lb.	.024	- —
l.c.l.	lb.	.028	- —
USP, amber, non-ret. dms., c.l.	lb.	.04½	- —
l.c.l.	lb.	.05¼	- —
extra amber, dms., c.l.	lb.	.04½	- —
l.c.l.	lb.	.05½	- —
cream, c.l., dms.	lb.	.05¾	- —
l.c.l.	lb.	.07¾	- —
white, lily, dms., c.l.	lb.	.06¼	- —
l.c.l.	lb.	.08¼	- —
snow, dms., c.l.	lb.	.06¾	- —
l.c.l.	lb.	.09	- —
soft, dms. c.l.	lb.	.06¼	- —
l.c.l.	lb.	.07¾	- —
yellow, soft, dms., c.l.	lb.	.03¾	- —
l.c.l.	lb.	.05¾	- —
Petroleum, crude, bulk, at wells, California, heavy grades,	bbl.	1.28	- 1.80
Illinois	bbl.	1.60	- 1.82
Kentucky, Union County,	bbl.	1.72	- 1.77
Louisiana-Arkansas	bbl.	1.10	- 1.93
Montana	bbl.	1.30	- 1.79
Oklahoma-Kansas	bbl.	1.30	- 1.90
Pennsylvania, lower field,	bbl.	3.23	- 3.35
Upper field	bbl.	1.66	- 3.00
Texas East	bbl.	1.30	- 1.72
Gulf coast	bbl.	1.38	- 1.93
North, North-Central	bbl.	1.46	- 1.70
Panhandle	bbl.	1.28	- 1.70
West	bbl.	1.15	- 1.83
Wyoming	bbl.	.95	- 1.70
Ether, laboratory grade, 30°-60° C, 10-gal. cns., dlvd. E.	gal.	.55	- —
dms., c.l., Group 3	gal.	.16	- —
l.c.l., same basis	gal.	.29	- —
35°-60° C, 10-gal. cns., dlvd. E.	gal.	.55	- —
dms., c.l., Group 3	gal.	.16	- —
l.c.l., same basis	gal.	.29	- —
40°-75° C., 10-gal., cns., dlvd. E.	gal.	.55	- —
dms., c.l., Group 3	gal.	.16	- —
l.c.l., same basis	gal.	.29	- —
Fuel oil, furnace, tanks, at refinery, Arkansas, No. 2,	gal.	.04½	- —
No. 3	gal.	.04¼	- —
Bayonne, No. 2, tanks,	gal.	.0640-	—
California, heavy	bbl.	1.25	- 1.30
light	bbl.	1.35	- 1.40
diesel	gal.	.04¾	- .05¼
Group 3, No. 1	gal.	.04¾	- .04¾
No. 2, straw	gal.	.04¼	- .04½
No. 3	gal.	.04	- .04¼
Petroleum, fuel oil, furnace, tanks, at ref'y, Oklahoma, No. 1, p.w.	gal.	.04½	- .05½
No. 1, straw	gal.	.04¾	- —
No. 2, straw	gal.	.04¼	- .04¾
No. 3	gal.	.04	- .04½
No. 6	bbl.	1.15	- 1.35
range	gal.	.04½	- —
Pennsylvania, No 1.	gal.	.06¾	- .07
No. 2	gal.	.06¼	- .06¾
No. 3	gal.	.06¼	- .06¾
36-40 gravity	gal.	.06¼	- —
Bunker C (No. 6), tanks, Albany, N. Y.	bbl.	1.92	- —
Baltimore, Md.	bbl.	1.72	- —
Boston, Mass.	bbl.	1.96½	- —
Charleston, S. C.	bbl.	1.83	- —
Jacksonville, Fla.	bbl.	1.63	- 1.83
New York, N. Y.	bbl.	1.92	- 2.02
Norfolk, Va.	bbl.	1.88	- 1.98
Philadelphia, Pa.	bbl.	1.92	- 2.02
Portland, Me.	bbl.	2.01	- 2.06
Providence, R. I.	bbl.	1.98	- 2.04
Savannah, Ga.	bbl.	1.88	- —
Lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles	gal.	.11	- —
Seattle, Wash.	gal.	.12	- —
East Coast, N. J., N. Y., tanks, refinery	gal.	.12½	- —
Group 3, benzol type tanks,	gal.	.08¾	- .09¼
toluol type, tanks	gal.	.08¾	- .09¼
San Francisco	gal.	.11½	- —
Portland, Ore.	gal.	.12	- —
Mineral spirits, California, San Francisco, 170-250 b.r., tanks	gal.	.11½	- —
205-290 b.r., tanks	gal.	.11½	- —
244-362 b.d., tanks	gal.	.11½	- —
307-360 b.r., tanks	gal.	.11	- —
312-402 b.r., tanks	gal.	.10	- —
362-458 b.r., tanks	gal.	.10	- —
East Coast, N. J., N. Y., tanks, refinery	gal.	.11	- —
Group 3, tanks, refinery	gal.	.07½	- —
Gulf coast, tanks	gal.	.07¾	- —
tankwagon, Baltimore	gal.	.14½	- —
Boston	gal.	.13	- —
Buffalo	gal.	.13½	- —
Camden, N. J.	gal.	.11½	- —
Chicago	gal.	.1490-	—
Detroit	gal.	.1710-	—
Kansas City, Mo.	gal.	.143	- —
Lancaster, Pa.	gal.	.13½	- —
Newark	gal.	.12	- —
New York	gal.	.12	- —
Philadelphia	gal.	.12	- —
Pittsburgh	gal.	.13½	- —
Providence	gal.	.15	- —
Rochester	gal.	.13½	- —
St. Louis	gal.	.149	- —
Syracuse	gal.	.15½	- —
Washington, D. C.	gal.	.14½	- —
Wilmington, Del.	gal.	.12	- —
Naphtha, cleaners, California, tanks, San Francisco	gal.	.13	- —
East coast, N. J., N. Y., tanks, refinery	gal.	.11	- —
Group 3, tanks, refinery,	gal.	.08½	- —
tankwagon, Newark	gal.	.12½	- —
Chicago	gal.	.14¼	- —
Detroit	gal.	.15½	- —
New York	gal.	.12	- —
Philadelphia	gal.	.125	- —
St. Louis	gal.	.1470-	—
High-solvency, No. 3, tanks, Paulsboro, N. J.	gal.	.16	- .22½
No. 30, tanks, same basis,	gal.	.17	- .23
No. 40, tanks, same basis,	gal.	.17¼	- .23
No. A-80, tanks, Carteret, N. J.	gal.	.21½	- —
Chicago, Cincinnati, Detroit	gal.	.24	Nom.
No. B-90, tanks, all shipping points	gal.	.24½	- —
No. F-80, tanks, Carteret, N. J.	gal.	.23	- —
V.M.&P., at refinery, California, 46.5, 254 l.b.p., 380 e.p., tanks, El Segundo	gal.	.12	- —
Richmond	gal.	.12½	- —
Portland, Ore., Seattle, Wash.	gal.	.12	- —
64-77, 190 l.b.p., 310 e.p., Los Angeles	gal.	.11	- —
San Francisco	gal.	.11¼	- —
Portland, Seattle	gal.	.12	- —
E. Coast, N. J., N. Y., tanks, refinery	gal.	.12	- —
Gulf Coast (dlvd. New Orleans), tanks	gal.	.08¾	- —
tankwagon, Boston	gal.	.14	- —
Chicago	gal.	.149	- —
Detroit	gal.	.163	- —
Milwaukee	gal.	.165	- —
Minneapolis	gal.	.164	- —
Newark	gal.	.13½	- —
New York	gal.	.13	- —
Philadelphia	gal.	.13½	- —
Pittsburgh	gal.	.14½	- —
St. Louis	gal.	.159	- —
Solvent, rubber, at refinery, California, San Francisco tanks	gal.	.11½	- —
East Coast, N. J., N. Y., tanks	gal.	.12	- —
Group 3, tanks	gal.	.08½	- —
Stoddard (C.S. 8-33), at refinery:— California (San Francisco), tanks	gal.	.12	- —
East Coast, N. J., N. Y., Group 3, tanks	gal.	.07¼	- —
Pennsylvania, western, tanks	gal.	.07¾	- .08
tankwagon, Baltimore	gal.	.14	- —
Boston	gal.	.13	- —
Chicago	gal.	.14½	- —
Detroit	gal.	.16½	- —
Milwaukee	gal.	.15½	- —
Minneapolis	gal.	.1540-	—
Newark	gal.	.13½	- —
New York	gal.	.12	- —
Philadelphia	gal.	.11½	- —
Pittsburgh	gal.	.13	- —
St. Louis	gal.	.14¼	- —
Syracuse	gal.	.15½	- —
Sulphonates, 65% sulphonic content, ret. dms., c.l., works	lb.	.09¾	- —
l.c.l., works	lb.	.09¾	- .10¾
tanks, works	lb.	.09¼	- —
50% sulphonic content, ret. dms., c.l., works	lb.	.09¾	- —
l.c.l., works	lb.	.09¾	- .10¾
tanks works	lb.	.09¼	- —
Phenobarbital, dms., 100 lbs.	lb.	3.50	- —
Phenol, 90-92% (cresol, 8-10%), dms., c.l., wks., frt. equald,	lb.	.11	- .12½
l.c.l., same basis	lb.	.11¾	- .12
tanks, same basis	lb.	.10	- .10½
82-84% (cresol, 16-18%), dms., c.l., same basis	lb.	.11	- .11¼
l.c.l., same basis	lb.	.11¾	- .12
tanks, same basis	lb.	.10	- .10½
USP, dms., c.l., same basis	lb.	.11¼	- .13
l.c.l., same basis	lb.	.12	- .13¼
tanks, same basis	lb.	.10½	- .11¾
Phenolphthalein, USP, bbls., dms., 2,000 lbs.	lb.	.85	- —
smaller lots	lb.	.87	- .92
Yellow, fib. dms., 2,000 lbs.	lb.	.80	- —
smaller lots	lb.	.82	- .87
Phenothiazin, NF, fib. dms., ton lots or more, works	lb.	.49	- —
smaller lots, works	lb.	.54	- —



Refineries like this

Stand Behind

Shipments like this

Inquiries on present or potential chemical products and petroleum chemical raw materials are solicited.

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INDOPOL Polybutenes—Bulletin 12

INDONEX Rubber Plasticizers—Bulletins 13 and 13A

Hydrocarbons—Bulletin 10

Alkane Sulfonic Acids—Bulletin 11

Petroleum Sulfonates

Mixed Alkyl Disulfides

INDOIL
CHEMICAL PRODUCTS

STANDARD OIL COMPANY (INDIANA)
Chemical Products Department
910 South Michigan Avenue Chicago 80, Illinois

Phenylacetaldehyde solution, 50%, bots..lb. 2.35 - 2.50
pure, bots. .....lb. 4.00 - 5.00
Phenylethyl acetate, dms.....lb. 2.15 - 3.00
Phenylethylphenyl acetate, bots. lb. 5.35 - 7.50
Phenylhydrazin base, CP, bots.lb. 4.55 - —
Hydrochloride, CP, bots., works. lb. 7.10 - —
commercial, kgs., works...lb. 1.75 - —
Phloroglucinol, CP, fib. dms...lb.13.75 -14.75
tech., fib. dms. .....lb.12.00 -12.55
Phosgene, ton lots, works.....lb. .19 - —
Phosphate, defluorinated (see under D).
Phosphate rock, Fla., land pebble unground, run-of-mine, washed, dried, 68%-66% b.p.l., bulk, car at mine, c.l..... long ton. 2.60 - —
70%-68%, same basis.. long ton. 3.00 - —
72%-70%, b.p.l., same basis..long ton. 3.60 - —
75%-74%, b.p.l., same basis..long ton. 4.60 - —
77%-76%, b.p.l., same basis..long ton. 5.60 - —
entirely pebble 50c. per ton higher than above prices.
finely ground, 65.5% b.p.l., 30% P_2O_5 minimum.. short ton. 3.15 - —
68%, b.p.l., basis 31% P_2O_5 minimum..short ton. 3.35 - —
70%, b.p.l., basis 32% P_2O_5 minimum..short ton. 3.70 - —
Tennessee, brown, unground, run-of-mine, 70-68% b.p.l., 5½% i. & a., same basis.. long ton. 5.50 - —
72%-70%, b.p.l., 5½% i. & a., same basis..long ton. 6.00 - —
refinery ground, 29% P_2O_5, same basis..long ton. 5.15 - —
30% P_2O_5, same basis.... long ton. 5.35 - —
31% P_2O_5, same basis..... short ton. 5.45 - —
32% P_2O_5, same basis.... short ton. 5.70 - —
33% P_2O_5, same basis.... short ton. 6.20 - —
Phosphorus, red amorphous, cs. lb. .40 - .44
tins, export.....lb. .55 - —
yellow, cns.....lb. .28 - .28
dms., c.l.....lb. .14½- —
Phosphorous, oxychloride, dms., c.l..lb. .10½- —
Pentoxide, dms., c.l., works.. lb. .11 - .12
l.c.l., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, dms., c.l.....lb. .10½- —
l.c.l. .....lb. .12½- .15
Phthalamide, bbls., works....lb. .35 - .40
kgs., works.....lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots.....oz. 8.00 - —
Pilocarpine hydrochloride, USP. bots., vials..oz. 5.25 - 6.50
Nitrate, bots., vials.....oz. 5.15 - 6.25
Pimento, Jamaica, bgs.....lb. .25 - .25½
Pinetar, retort, dms., incl., c.l., dlvd. E..gal. .43 - —
l.c.l., works, dms., incl..gal. .40¾- —
l.c.l., whse., N.Y.C., dms. incl..gal. .49 - —
tanks, dlvd. E. .....gal. .34½- —
Pinkroot, bls.....lb. 1.00 - 1.05
Piperazine hexahydrate, bots..lb.16.00 -17.00
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton.20.90 - —
l.c.l., works .....ton.24.20 - —
Cottonseed, dms., works....lb. .04 - .06
Hardwood, paper bgs., works.. lb. .03½- —
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms.....100 lbs. 6.50 - —
stands, 200 lbs.....stand. 6.00 - —
Soybean, dms., works.....lb. .04 - .06
Plaster of paris (see Gypsum).
Podophyllin, dms. .....lb.12.25 -12.50
Pokeroot, bls. .....lb. .16 - .17
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld. lb. .32 - —
20,000 lbs., frt. alld.....lb. .33 - —
smaller lots, frt. alld....lb. .34 - .36
Water-clear, polystyrene, 7c. per lb. less than plain colors.
Pomegranate, root bark, bgs..lb. .75 - .76
Poppy flowers, bls. .....lb. .60 - .70
Seed, Argentine, bgs., futures. lb. .20½- .21
Danish, bgs. .....lb. .26 - .26½
Dutch .....lb. .25½- .26
Indian, white, bgs.....lb. No stocks.
Swedish, bgs. .....lb. .21½- .22
Turkish, bgs. .....lb. .22 - .22½
Potash abietate .....lb. .06 - —
Acetate, USP, dms.....lb. .28 - .33
Arsenite, USP, solut., cbys., djns..lb. .13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms..lb. .10 - .21
Bichromate, bgs., c.l., works. lb. .10 - —
l.c.l., works .....lb. .10½- .10¾
Potash bichromate in bbls., ½c. higher.
Borate, gran., bbls., N. Y. or Chi..lb. .1015- —
Bromide, USP, cryst., gran., 500-lb. bbls., dms..lb. .25 - .29
Carbonate, calcined, bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
dms., l.c.l., same basis.lb. .05¾- —
USP, gran., bbls., dms....lb. .14 - .20
powd., bbls., dms.....lb. .19 - .21
Caustic, low-chloride, 90% basis, flake, dms., c.l., works.. 100 lbs. 9.31 - —
l.c.l., works....100 lbs. 9.68½- —
liquid, dms., c.l., works... 100 lbs. 8.56 - —
l.c.l., works....100 lbs. 8.93½- —
tanks, works.....100 lbs. 8.06 - —
solid .....100 lbs. 8.56 - —
l.c.l., works....100 lbs. 8.93¼- —
regular, flake, 88-92%, dms., c.l., works..lb. .07 - —
l.c.l., works .....lb. .07¼- .07½
liquid, 45% basis, dms., c.l., works, frt. alld..lb. .03¼- —
l.c.l., same basis.....lb. .03¾- .03¾
tanks, same basis.....lb. .02¾- —
solid, 88-92%, dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06¾- .06¾
Chromate, bgs.....lb. .24 - .26
Chlorate, cryst., kgs., c.l., works..lb. .11 - .1175
l.c.l., works .....lb. .119 - .130
powd., dms., kgs., c.l., works. lb. .0975- —
l.c.l., works .....lb. .119 - .130
export, 1 to 10 tons, kgs., ex whse..lb. .16 - .18

Potash chloride, tech., cryst., 98%, bgs., kgs..lb. .08 Nom.
Citrate, USP, gran., bbls., dms..lb. .33½- .38½
powd., 3c. per lb. higher.
Cyanide, dms., works.....lb. .55 - —
Fluoride, bbls. .....lb. .34 - .40
Glycerophosphate, 75% solution, cbys..lb. 2.30 - —
Guaiacosulphonate, NF, dms.lb. 1.65 - 1.75
Hydroxide, USP, sticks, dms.lb. .34 - .36
Hypophosphite, cns. .....lb. .72 - .75
Iodide, dms.....lb. 1.60 - —
Manure salt, 22% K_2O, Carlsbad, N. M..unit-ton. .20 - —
25% K_2O, same basis.unit-ton. .21 - —
Metabisulphite, gran., bbls...lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate,[6] dom., 60-62-63% K_2O, bulk, ex vessel ports..... unit-ton. .53½- —
granular, 50-52% K_2O, ex vessel U. S. ports..unit-ton. .53½- —
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M. are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.
Nitrate (see Saltpeter).
Oxalate, neutral, pure, gran.. bbls., dms..lb. .37 - .50
tech. fine gran., bbls., dms. lb. .28 - .31
Perchlorate, kgs., works....lb. .09¾- .11
Permanganate, tech., dms., works..lb. .19¾- .20¼
USP, dms., works.....lb. .20½- .21
Persulphate, dms., c.l. works, lb. .16 - —
l.c.l., same basis.....lb. .20 - —
Prussiate, red, kgs.....lb. .50 - .55
Yellow, bbls.....lb. .16 - .17

Potash ricinoleate, tech., bbls.lb. .18 - —
Silicate, glass, bgs., c.l. works. ton.200.00- —
l.c.l. .....100 lbs.16.25 - —
solution, 29° Be. ret. drums, c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works... 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be. ret. dms., c.l., works 100 lbs. 4.75 - —
l.c.l., 5 or more, works.. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate,[6] NF, gran.....lb. .14 - .20
powd., bbls.....lb. .15 - .21
tech., dom., bulk,[6] basis 90-95% K_2O_4, min. 90%, ex vessel Atlantic or Gulf ports..ton.36.25 - —
West coast potash ports, same basis..ton.39.25 - —
Sulphocyanide, cryst., N.F., dms..lb. .62 - .70
Triocyanate (see Potash sulphocyanide).
Xanthate, dms., c.l.....lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works..oz.14.20 -14.95
Potash-magnesia sulphate,[6] bulk, min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports...ton.26.00 - —
Potash-soda ferricyanide, kgs., works..lb. .40 - .42
Potash-titanium oxalate, bbls., dms..lb. .45 - .50

Prickly ash bark, bls.....lb. .40 - .45
Berries, bgs.....lb. .20 - .21
Prince's pine herb, bls.....lb. .60 - .65
Procaine hydrochloride, cns., 100-lb. lots..lb. 3.75 - —
smaller lots.....lb. 4.00 - —
Propane, industrial grade, tanks, Group 3..gal. .03¾- —
Propyleneglycol, dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Psyllium seed (see Flaxseed).
Pulsatilla, bls. .....lb. .60 - .65
Pumice, grd., fine, bgs., ton lots. lb. .03¾- —
smaller lots .....lb. .06¾- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .02¾- —
smaller lots .....lb. .03¾- .04¼
Chi., ton lots .....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs. .....lb. .27 - .28
Purple lake (see Red).
Putty, com'l dms.....100 lbs. 3.15 - —
linseed oil, raw, dms..100 lbs. 5.00 - —
refined, dms. .....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum, concentrate, dewaxed, 20% for aerosol bombs, dms., works..lb. 9.25 - 9.30
liquid (20 to 1), basis 2 grams pyrethrins for 100 cc., dms., regular base, works..gal. 6.65 - —
odorless base, dms., works, gal. 6.75 - —
(30 to 1), base 3 grams pyrethrins, per 100 cc., bbls., works..gal.10.00 - —
Pyrethrum, flowers, fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —

CROTONIC ACID

$CH_3-CH=CH-CO_2H$

WHITE FLAKES: MP 70-71° C

Mol. Wt: 86.09 Purity: 98% Minimum

SOLUBILITY AT 25° C	
SOLVENT	SOLUBILITY
WATER	8.56%
ETHYL ALCOHOL	52.5%
TOLUENE	37.5%
ACETONE	53.0%

Crotonic Acid, possessing a system of conjugated double bonds, has been actively investigated as a component in polymeric materials. Several interesting applications have been reported:

1. Lower alkyl esters form useful copolymers with:
   (a) Vinyl esters
   (b) Maleate esters
   (c) Styrene
2. Bodied with linseed oil, Crotonic Acid produces varnish resins
3. Reaction products with amines have wood-sealing properties
4. Crotonic Acid can be incorporated in polyvinyl acetate resins to increase water and acid resistance
5. Esters of polyhydric alcohols make useful modifying resins for varnishes, lacquers, and plastics

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Now Available in Research and Pilot-Plant Quantities

TENNESSEE EASTMAN CORPORATION

(Subsidiary of Eastman Kodak Company)

KINGSPORT, TENNESSEE

Pyridin, denaturing, ret. dms., works, frt. equald..gal. 1.55 -1.60
refd., 2°, ret. dms., same basis, lb. .55 - .55½
Pyrites, Spanish, c.i.f. Atl. ports, long ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines..ton.10.00 -11.50
325 mesh, same basis....ton.13.00 -13.90
No. 3, 200 mesh, c.l., mines.ton. 9.50 - —
325 mesh, same basis....ton.11.50 - —
Pyrophyllite in paper bags., $1.50 per ton extra.
Pyroxylin, scrap, opaque, amber, cs., works..lb. .17 - —
black, cs., works.....lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed mottled, cs., wks.lb. .14 - —
white, China, ivory, cs., wks. lb. .17 - —
dense, cs., works.....lb. .17 - —
translucent, pastels, cs., works..lb. .17 - —
transparent, cs., works....lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works, lb. .17 - —
mixed colors, cs., works..lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .08 - .09
Quebracho extract, solid, 63% tannin, bgs., c.l., ex dock, in bond..lb. .063125- .06525
clarified, 64% tannin, bgs., c.l., same basis..lb. .068125- .070625
dissolved, 35% tannin, bbls., works..lb. .04575- .0595
tanks, works .....lb. .04075- —
ground, 70% tannin, bgs., c.l., lb. .089 - —
l.c.l. .....lb. .0915- —
Quebracho extract prices based on freight and $1 insurance per long ton.
Queen of the meadow root, bgs. lb. .12 - .15
Quercitron crystals, bbls.....lb. .32 - —
Extract, No. 1, bbls.....lb. .13 - —
solid, bxs. .....lb. .23 - —
Quicksilver, flasks (76 lbs. net) flask.90.00 -92.00
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine,[a] NF V, cryst., cns.oz. No stocks
powd., precip., cns.....oz. No stocks
Sulphate, USP, cns.....oz. No stocks
Quinine,[a] NF, cns., 100 ozs...oz. No stocks
Acetate, cns., 100 ozs.. ....oz. No stocks
Arsenate, cns., 100 ozs.....oz. No stocks
Arsenite, cns., 100 ozs.....oz. No stocks
Bisulphate, USP, cns., 100 ozs. oz. No stocks
Dihydrobromide, bots., 50 ozs., oz. No stocks
Citrate, cns., 100 ozs.....oz. No stocks
Ethylcarbonate, USP, cns., 100 ozs..oz. No stocks
Ferrocyanide, cns., 100 ozs.oz. No stocks
Formate, cns., 100 ozs.....oz. No stocks
Glycerophosphate, cns., 100 ozs. oz. No stocks
Hydrochloride, USP, cns., 100 ozs..oz. .80½- —
Hydrochlorosulphate, cns., 100 ozs..oz. No stocks
Hydriodide, cns., 100 ozs..oz. No stocks
Hypophosphite, cns., 100 ozs.oz. No stocks
Phosphate, NF, cns., 100 ozs.oz. No stocks
Salicylate, NF, cns., 100 ozs. oz. No stocks
Sulphate, USP, cns., 100 ozs.oz. .80½- —
Sulphocarbolate, cns., 100 ozs. oz. No stocks
Tannate, USP X, cns., 100 ozs. oz. No stocks
Tartrate, cns., 100 ozs.....oz. No stocks
Valerate, NF IV, 100 ozs..oz. No stocks
Quinine-urea hydrochloride,[a] USP, cns..oz. No stocks
Quinoline, dms., c.l., works...lb. .24½- .29

R

R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .52 - —
Raspberries, dried, bls.....lb. 2.20 - 2.25
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis...lb. 1.10 - 1.90

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.) (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver Pueblo, Salt Lake City, Wichita.

Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies..lb. 1.05 - 1.30
light shade, bbls., same basis..lb. .90 - 1.15
maroon, bbls., same basis. lb. 1.15 - 1.25
medium shade, bbls., same basis..lb. 1.00 - 1.10
medium-light shade, bbls., same basis..lb. .95 - 1.05
Orange-red, bbls., same basis..lb. .95 - 1.00

Red cadmium lithopone, all shades, in smaller pkgs. 5c. per lb. higher; all prices are 1c. per lb. higher ex whse., Los Angeles and San Francisco.

Carmine, No. 40, dms., bulk, works..lb. 5.50 - —
smaller lots, same basis..lb. 6.10 - —
Crocus martis (see Red, purple, oxide).
Dyes (see Dyes, coaltar).
Red, eosin toner, bbls., works.lb. 1.35 - —
Firetoner, dom., bbls., works.lb. .85 - .92
Indian, dom., pure, bls., Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis.lb. .09¾- —
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls.....lb. .09 - .09¾
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa., Copley, O., Easton, Pa., and E. St. Louis..lb. .06¾- —
80% copperas oxide, bbls., same basis..lb. .085 - .094
Lacquer, maroon, bbls., works. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - .97
Lithol toner, alizarin, lake, bbls., works..lb. .65 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works....lb. .25 - .28
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.18 - —
Maroon, alizarin lake, 25%, kgs., works..lb. .40 - —
Cadmium, bbls., works.....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb. higher.
Mercury oxide, tech., bbls., 10,000 lbs., works..lb. 2.60 - —
smaller lots, works...lb. 2.62 - —
Metallic, bbls., works.....lb. .02 - —
Oxide (see Red, iron oxide).
Para toner, chlorinated, kgs.lb. .92 - —
concent., alizarin lake, kgs., works..lb. .70 - .75
Persian (see Orange).
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine, Y, kgs., works..lb. 4.15 - —
Purple lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .55 Nom.
Spanish oxide, grade 1, c.l., bbls..lb. .04¾- .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - 1.13
MNPT maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., works..lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .0275- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .0325- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.50 - 2.65
Red precipitate, NF, powd., fib. dms..lb. 2.77 - 2.78
Red saunders wood, grd., bbls.lb. .35 - —
Resorcinol, tech., dms., works.lb. .64 - .74
USP, cryst., dms., frt. alld..lb. 1.60 - —
Rhatany root, bgs.....lb. .14 - .16
Rhubarb, whole, cs.....lb. 1.40 - 1.45
powd., bbls.....lb. 1.45 - 1.50
Riboflavin, bots.....kilo.200.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, gran., powd., bbls., 5,000 lbs., 1 ship't..lb. .34½- —
smaller lots.....lb. .35 - —
Rose flowers, pale, bls.....lb. .33 - .34
Rosemary flowers, bls.....lb. 1.55 - 1.65
Leaves, French, bls.....lb. .13 - .14
Portuguese, bls.....lb. .06½- .09
Spanish, bls.....lb. .12½- .13
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B (resin) dms., c.l., works..100 lbs. 5.00 - —
FF, dms., c.l., works.100 lbs. 6.00 - —
G, H, I, dms., c.l., works, 100 lbs. 7.00 - —
K, dms., c.l., works..100 lbs. 7.00 - —
M, dms., c.l., works..100 lbs. 7.05 - —
N, dms., c.l., works..100 lbs. 7.10 - —
WG, dms., c.l., works.100 lbs. 7.15 - —
WW, X, dms., c.l., works... 100 lbs. 7.20 - 7.30
Rotenone, bbls., works.....lb.12.05 -14.50
extract, liq., dms., works..... per unit. 1.15 - —
powder (see Cube root).
Rottenstone, bgs., c.l., mines.. ton.25.50 - —
l.c.l., mines.....ton.37.50 - —
Rue, bls.....lb. .45 - .46

S

Sabadilla seed, powd., bbls....lb. .55 - .70
activated, ground with lime, bbls..lb. .35 - .50
Saccharin, insoluble and soluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots .....lb. 1.40 - 1.60
Saffron, Mexican, bls. .....lb. 1.60 - 1.65
Spanish, USP, tins.....lb.38.00 -39.00
Safrol, cns. .....lb. 1.10 - 1.15
Sage, leucophyla, bgs., Pacific coast..lb. .32 - .33
Cyprus, good, bls. .....lb. .25 - .26
futures .....lb. .19 - .19½
Dalmatian, bls., futures.....lb. .31 Nom.
Greek, bls. .....lb. .29 - .29½
Palestine, bls. .....lb. .16 - .16½
Spanish, bls. .....lb. .13 - .13½
Syrian, bls. .....lb. .25½- .26
Washington, Dalmatian-type, bls..lb. .40 - .41
Sago flour, bgs. .....lb. .10 - .12
Salicin, bots., 5 lbs. .....lb. No stocks.
cns., 25 lbs. .....lb. No stocks.
Saligenin, dms., works.....lb.15.00 -20.00
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms. .....lb. .92 - .93
Powdered salol, 10c. higher.
Salt, rock, bgs., c.l.....ton.15.80 - —
l.c.l., bgs. .....ton.20.60 - —
vacuum, common, fine, bgs., c.l..ton.16.90 - —
l.c.l., ...ton.23.40 - —
Saltcake, dom., bulk, works.ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - —
smaller lots .....100 lbs. 8.35 - 9.00
powd., bbls., 10-20 ton lots.. 100 lbs. 9.20 - —
smaller lots .....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., powd., cns.kilo.170.00 -185.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns. .....lb. 1.40 - —
Sarsaparilla root, dom., bls..lb. .45 - .50
Honduras, bls. .....lb. .45 - .47
Mexican, bls. .....lb. .45 - .47
Sassafras bark, ord., bls.....lb. .45 - .50
select, bls. .....lb. .69 - .75
Savory, Calif., bls.....lb. .75 - .76
Spanish, bls. .....lb. .22 - .22¼
Saw palmetto berries, bgs....lb. .20 - .21
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns. .....lb. 1.35 - —
Root, bgs. .....lb. .10 - .13½
Schaeffer's salt, bgs. .....lb. .60 - —

Constant control keynotes

Esso Solvents production

The correct combination of physical attributes in any given Esso Petroleum Solvent is maintained through constant, careful manufacturing control. In addition, Esso Solvents production is backed by continuing research in the nation's largest petroleum laboratories. Hundreds of industries depend on the suitability and uniformity of Esso Solvents. One of the many different grades will serve you, whatever your requirements. Remember too, your Esso Representative welcomes the opportunity to give helpful, friendly advice on the application of industrial solvents.

STANDARD OIL COMPANY OF NEW JERSEY
Elizabeth, N. J.—Baltimore, Md.—Richmond, Va.—Charleston, West Va.—Charlotte, N. C.—Columbia, S. C.—New Orleans, La.—Little Rock, Ark.—Memphis, Tenn.

STANDARD OIL COMPANY OF PENNSYLVANIA
Philadelphia, Pa.

COLONIAL BEACON OIL COMPANY
Boston, Mass.—New York, N. Y.

Soldifix mixture, bbls., 5,000 lbs., 1 shipment..lb. .30½- —
smaller lots.....lb. .31½- —
kegs, 5,000 lbs., 1 shipm't..lb. .31½- —
smaller lots.....lb. .31½- —

Selenium, pwd., cns., 10-lb. lots.. lb. 1.65 - —
cs., 1,000-lb. lots.....lb. 1.75 - —

Senega root, bls. .....lb. 2.50 - 2.75

Senna leaf, Alex., half-leaf, bls. lb. .27 - .28
siftings, bgs.....lb. .24 - .25
Tinnevelly, No. 1, bls.....lb. .24 - .29
2, bls.....lb. .22 - .27
3, bls.....lb. .20 - .24
powd., bbls., bgs.....lb. .24 - .29

Pods, bls.....lb. .14 - .21

Serpentaria root, bls.....lb. 2.75 - 2.80

Shellac, bleached, bonedry, bbls., 1,500-lb. lots..lb. .71 - —
Boston .....lb. .72 - —
Chicago .....lb. .72½- —
Pacific coast.....lb. .74½- —
refined, bbls., 1,500-lb. lot. lb. .78½- —
Boston .....lb. .79½- —
Chicago .....lb. .80 - —
Pacific coast.....lb. .82 - —

Bonedry shellac sales of less than 1,500 lbs., at following additions to prices: (1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.

Superfine, 100 bgs., Boston, N.Y. lb. .72 - .73
Chicago .....lb. .72½- .73
Pacific coast.....lb. .75 - .76
TN, 100 bgs., Boston, N. Y..lb. .67 - .68
Chicago .....lb. .67½- .68½
Pacific coast.....lb. .70 - .71

Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works. ton.17.00 - —
l.c.l. works.....ton.20.00 - —
400 mesh, bgs., c.l., works. ton.18.00 - —
l.c.l., works.....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.21.00 - —
400 mesh, bgs., c.l., works. ton.30.00 - —
l.c.l., works.....ton.35.00 -38.00
96%-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.22.00 -25.00
Hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.15.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works.. ton.11.00 - —
l.c.l., works.....ton.16.00 - —

Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .18½- .37

Silver bullion.....oz. .90½- .91
Cyanide, cns., 100 ozs.....oz. .7486- —
Nitrate, bots., cns., 2,500-oz. lots..oz. .58¼- —
1,000-oz. lots.....oz. .58½- —
500-oz. lots.....oz. .58¾- —
single ounces.....oz. .59 - —

Neucleinate, USP, bots., dms., 1,000-oz. lots..oz. .399 - —

Proteinate, USP, bots., dms., 1,000-oz. lots..oz. .325 - —

Simarubra bark, bls.....lb. .87 - .88

Skullcap, Eastern, bls.....lb. .60 - .65
Western, bls.....lb. .50 - .55

Skunk cabbage root, bls.....lb. .45 - .50

Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -16.00

Sloe berries, bgs.....lb. .40 - .41

Smalt, black, ctns.....lb. .05 - .06
Blue, ctns.....lb. .07 - .08½

Snakeroot, Canada, bls.....lb. .65 - .70

Soapbark, bls.....lb. .27 - .28
crushed, bls., bbls.....lb. .32 - .33
cut, dom., bls., bbls.....lb. .32 - .33
imp., bbls. .....lb. No stocks
powd., bbls.....lb. .30 - .31

Soda acetate, anhyd., dms., dlvd. lb. .08½- .10
cryst., NF, bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., dlvd....lb. .06½- .06

Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.60

Alkylbenzene sulphate, dms., works..lb. .13 - —

Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00

Antimoniate, bbls., dlvd.....lb. .16 - .16½

Arsenate, dms., dealers, c.l., works..lb. .09½- —
l.c.l., works.....lb. .10¾- .11¼

Arsenite, grey, dms., dealers, c.l., works..lb. .09¾- —
l.c.l., works.....lb. .10¼- .11½

Soda arsenite, gray ¾c. higher in Chi., 2c. higher in Houston, Tex., and Palo Alto, Calif.

Ash, dense, 58%, bgs., c.l., 100 lbs. 1.28 - —
l.c.l., dlvd., zone 1.... 100 lbs. — - —
2 .....100 lbs. — - —
3 .....100 lbs. — - —
4 .....100 lbs. — - —
bbls., c.l., works, zone 1. 100 lbs. 1.68 - —
l.c.l., zone 1.....100 lbs. — - —
2 .....100 lbs. — - —
3 .....100 lbs. — - —
4 .....100 lbs. — - —
bulk, c.l., works...100 lbs. 1.08 - —
extra light, 58%, bgs., c.l., 100 lbs. — - —
l.c.l., dlvd., zone 1..... 100 lbs. — - —
2 .....100 lbs. — - —
3 .....100 lbs. — - —
4 .....100 lbs. — - —
bbls., c.l., works...100 lbs. — - —
l.c.l., dlvd., zone 1..... 100 lbs. — - —
2 .....100 lbs. — - —
3 .....100 lbs. — - —
4 .....100 lbs. — - —
bulk, c.l., works...100 lbs. — - —
light, 58%, bgs., c.l., works. 100 lbs. 1.20 - —
l.c.l., dlvd., zone 1..... 100 lbs. — - —
2 .....100 lbs. — - —
3 .....100 lbs. — - —
4 .....100 lbs. — - —

Soda ash, light, 58%, c.l., works.. 100 lbs. 1.60 - —
l.c.l., dlvd., zone 1..... 100 lbs. — - —
2 .....100 lbs. — - —
3 .....100 lbs. — - —
4 .....100 lbs. — - —
bulk, c.l.,..... 100 lbs. 1.00 - —

Soda ash sales zones are: (1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96¹, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41

USP, dms., 2 tons or more..lb. .46 - —
smaller lots.....lb. .47 - .52

Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.25 - —
l.c.l. .....100 lbs. 2.57½- 2.60

Bichromate, bgs., c.l., works.. lb. .07¾- —
l.c.l., works.....lb. .07¾- .08¼

Soda bichromate, in bbls., ½c. higher.

Bifluoride, bbls., c.l., frt. alld. E..lb. .11¾- —
l.c.l., same basis.....lb. .12 - .14
kgs., same basis.....lb. .12½- .14

Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60

Soda bisulphite, solut., 32°, bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
35° bbls., c.l., works..100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works..100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —

Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
dms., works.....lb. .25 - .29

Cacodylate, bots., dms.....lb. 8.00 -10.50

Carbonate (see Soda ash, Soda monohydrate, Soda sal).

Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.90 - 3.00
l.c.l., zone 1, dlvd..100 lbs. — - —
2, dlvd.....100 lbs. — - —
3, dlvd.....100 lbs. — - —
4, dlvd.....100 lbs. — - —
liquid, 50%, buyer's tanks, works, dry basis..100 lbs. 2.00 - —
sellers, tanks, works, dry basis..100 lbs. 2.10 - —
70%, seller's tanks, works, dry basis..100 lbs. 2.10 - —
solid, 79%, dms., c.l., works.. 100 lbs. — - —
l.c.l., zone 1, dlvd..100 lbs. — - —
2, dlvd.....100 lbs. — - —
3, dlvd.....100 lbs. — - —
4, dlvd.....100 lbs. — - —

Caustic soda zones are same as soda ash.

Chlorate, cryst., bgs., c.l., works lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works.....lb. .07 - .08¼

Chloride (see Salt).

Chromate,[1] bbls., cks., c.l., works, frt. equald..lb. .00¼- —
l.c.l., works, frt. equald..lb. .00¾- .09¾

Soda chromate in bgs. is ½c. less.

Soda citrate, USP VIII, bbls..lb. .18½- —
dms. .....lb. .19½- .23½
USP XII, gran., bbls.....lb. .24 - —
dms. .....lb. .25 - .30
powd., bbls.....lb. .24½- —
dms. .....lb. .25½- .29½

Cyanide, 96-98%, dms.....lb. .14½- .18

Diacetate, 33-35% acidity, bbls., dlvd..lb. .09½- .10½
anhydrous, dms., dlvd.....lb. .12½- —

Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07¼- —
l.c.l., works.....lb. .08¼- —

Soda fluoride prices at Los Angeles are f.a.s. works.

Formate, bgs., c.l., works..lb. .0635- —
l.c.l., works .....lb .0680- —

Glutamate, monobasic, kgs..lb. 1.46 - 1.48

Glycerophosphate, N.F., cryst., bbls..lb. 1.90 - —
powder, bbls.....lb. 1.95 - —
solution, 75%, cbys.....lb. 1.10 - —
50%, cbys.....lb. .85 - —

Hydrosulphite, dms., c.l., frt. alld..lb. .16½- —
l.c.l., frt. alld.....lb. .18 - —

Hydroxide, USP, sticks, dms.lb. .24 - .25

Hypophosphite, NF, cns.....lb. .67 - .70

Hyposulphite, cryst., bgs., c.l., works, frt. equald.100 lbs. 2.25 - —
l.c.l., same basis.100 lbs. 2.50 - —
pea, cryst., bgs., c.l., works.. 100 lbs. 2.60 - —
Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.

USP, cryst., bbls. .....lb. .10 - .12

Iodate, dms., jars.....lb. 5.40 - 5.48

Iodide, bots. .....lb. 2.53 - 2.57
dms., jars .....lb. 2.42 - —

Mandelate, dms. .....lb. 3.25 - 3.35

LEADERSHIP IN QUALITY FOR 65 YEARS

SOLVAY

SOLVAY PRODUCTS FOR THE TEXTILE INDUSTRY

Ammonium Chloride
Caustic Potash
Caustic Soda
Liquid Chlorine
Potassium Carbonate
Soda Ash
Sodium Nitrite
Calcium Chloride

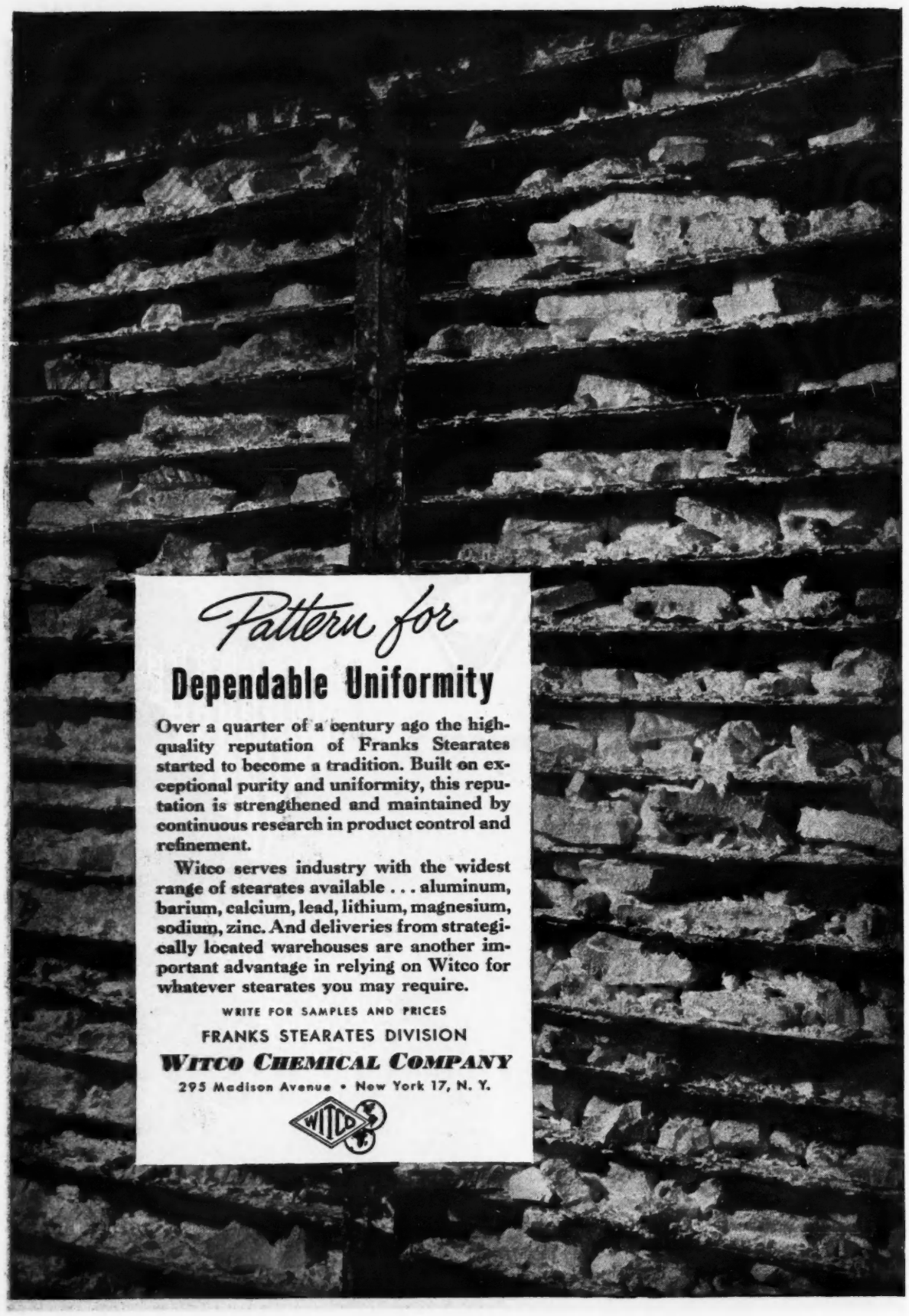
SOLVAY SALES CORPORATION Manufactured by The Solvay Process Company 40 Rector Street, New York 6, N. Y.

Soda metaborate, gran., bbls., c.l., dlvd..lb. .0485- —
l.c.l., N. Y. or Chi....lb. .051 - —
bgs., c.l., dlvd.....lb. .0435- —
l.c.l., N. Y. or Chi....lb. .046 - —
Metanilate, bgs. .....lb. .48 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald.100 lbs. 4.00 - —
l.c.l., same basis..100 lbs. 4.90 - 5.50
gran., bbls., c.l., works, frt. equald..100 lbs. 3.40 - —
l.c.l., dlvd. .....100 lbs. 4.40 - 4.55
Methylate, bots., works....lb. 1.00 - —
cns., works .....lb. .55 - .60
dms., works .....lb. .45 - .60
Molybdate, anhyd., kgs., works. lb. .47 - —
crystals, bgs., works.....lb. .60 - —
Monohydrate, bgs., c.l..100 lbs. 2.90 - —
works .....100 lbs. 2.45 - —
Naphthionate, bbls. .....lb. .46 - —
Nitrate, dom., crude, 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, c.l., works.....ton.27.00 - —
refd., gran., bbls., 10 tons.. 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac. whse..ton.38.50 - —
bulk, same basis.....ton.35.50 - —
Nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .06¾- —
West coast, ports.100 lbs. 5.00 - 8.05
l.c.l., dlvd. .....100 lbs. 8.90 -11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 4.50 - —
l.c.l., same basis..100 lbs. 5.45 - 5.80
flake, dms., c.l., works.100 lbs. 3.10 - —
l.c.l., dlvd. .....100 lbs. 4.30 - 4.55
Oxalate, neut., bgs., works..lb. .10 - —
Pantothenate, dextrorotary, 100-gram bots..per gram. .10 - —

Soda pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
l.c.l., works, frt. equald.lb. .17 - —
kgs., l.c.l., works, frt. equald. lb. .19 - —
Perborate, NF, bbls., c.l., works. lb. .14¾- —
l.c.l., works .....lb. .15½- —
Peroxide, dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots .....lb. .17 - —
Phosphate, dibasic, tech., anhyd., bgs., c.l., works. 100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.40 - 6.75
cryst., bgs., c.l., works. 100 lbs. 2.53 - 2.70
l.c.l., works....100 lbs. 2.95 - 3.45
USP XII, dried, bbls., dms., works..lb. .159 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 7.85 - 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald.100 lbs. 6.00 - 6.95
l.c.l., same basis.100 lbs. 6.50 - 7.00
cryst., bgs., c.l., works.... 100 lbs. 2.70 - —
l.c.l., same basis.100 lbs. 3.10 - —
kgs., c.l., works...100 lbs. 3.40 - —
l.c.l., works....100 lbs. 3.80 - —
USP (see Sodium phosphate, dibasic).
Soda phosphate in bbls. 20c. higher.
Prussiate, yellow, bgs.....lb. .10¾- —
bbls. .....lb. .11 - —
Pyrophosphate, ferric, dms., 10,000 lbs., works..lb. .22 - —
smaller lots, works.....lb. .22½- —
tetrabasic, anhydrous, bgs., c.l., works, frt. equald. 100 lbs. 5.25 - —

Soda ricinoleate, tech., bbls..lb. .12 - —
sal, bgs., c.l.....100 lbs. 1.35 - —
works, c.l. .....100 lbs. 1.10 - —
bbls., c.l. .....100 lbs. 1.40 - —
works, c.l. .....100 lbs. 1.20 - —
Salicylate, dms.....lb. .52 - .54
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd..100 lbs. 2.70 - —
2, dlvd.....100 lbs. 2.85 - —
3, dlvd.....100 lbs. 3.10 - —
4, dlvd.....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, dms., c.l., works. 100 lbs. 3.90 - —
l.c.l., dlvd. .....100 lbs. 5.15 - 5.30
Silicate, 40°, turbid, dms., c.l., works..100 lbs. .80 - 1.00
l.c.l. works.....100 lbs. 1.05 - 1.60
tanks, works .....ton.13.00 -16.00
52°, turbid, dms., c.l., works, 100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton.25.00 - —
Silicofluoride, bbls., c.l., works. lb. .06½- .07
l.c.l., works.....lb. .07 - .07½
Stannate, dms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07½
tech., anhyd., bgs., c.l., works. 100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - 2.20
cryst. (see Glauber's salt).
USP, cryst., gran., bbls....lb. .07 - .10

Soda sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd.....100 lbs. 3.15 - —
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works....100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.55 - —
powd., bbls., c.l., works... 100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP, dms.....lb. .55 - .65
Sulphohydrate, liquid, 38%, dms., c.l., works, 100% basis. lb. .06 - —
l.c.l., same basis.....lb. .06 - —
Sulphonydrate, flake, 70-72%, dms., c.l...lb. .04½- —
l.c.l., works.....lb. .05 - —
liquid, 38%, tanks, basis 100% works..lb. .03¾- —
l.c.l., works.....lb. .05 - —
Sulphoxylate, formaldehyde, dms., c.l., works, frt. alld..lb. .17½- —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiocyanate (see Soda, sulphocyanide).
Thiosulphate (see Soda hyposulphite).
Tungstate,[6] tech., bgs.....lb. 1.35 - —
Soda-ammonia phosphate, bbls., works, frt. equald..lb. .23 - —
Soda-cinchophen, bots., dms., works..lb. 3.75 - 3.85
Soda-formaldehyde sulphoxalate, stand. cont., 125-250 lbs..lb. .19 - .23
Soda-sulphadiazin, USP, dms., works..lb.10.50 -10.60
Soda-sulphamerazin, dms., works. lb.10.50 -10.60
Soda-sulphapyridin, powd., bots., dms., works..lb. 5.00 - 5.30
Soda-sulphathiazole, USP, dms., works..lb. 2.50 - 2.80
Solvent naphtha, dms., wks..gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
Minnequa, Colo.....gal. .26 - —
high-flash, coaltar, dms., works..gal. .30 - —
tanks, frt. alld. E. of Omaha to 2c. per gal.. gal. .25 - —
Sorbitol, com'l, dms., c.l., works. lb. .21 - —
l.c.l., works.....lb. .21½- —
Soybean meal,[7] 41%, bulk, c.l., Decatur..ton.80.00 -90.00
Protein, alpha, bgs., 40,000 lbs., works..lb. .28 - —
20,000 lbs., works.....lb. .28½- —
smaller lots, works...lb. .28½- .32
Sparteinne sulphate, bots., cns.oz. 2.95 - 3.25
Spearmint leaves, bls.....lb. .48 - .49
Spikenard root, bls.....lb. .50 - .55
Spruce extract, liq., reg., tanks, works..lb. .01¾- —
pwd., super, bgs., c.l., wks.lb. .05¼- —
Squaw vine, bls.....lb. .53 - .55
Squill, red, fortified, powd., bbls., bxs..lb. 1.60 - —
White, bls.....lb. .10 - .12
powd., bbls., bxs.....lb. .16 - .20
St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls...lb. .10¾- .11½
Starch, corn, pearl, bgs., c.l.. 100 lbs. 4.32½ - —
l.c.l. .....100 lbs. 4.42½ - —
Chicago, c.l.....100 lbs. 3.92 - —
powd., bgs., c.l.....100 lbs. 4.43 - —
l.c.l. .....100 lbs. 4.53 - —
Chicago, c.l. .....100 lbs. 4.03 - —
Cornstarch prices above are for paper bags; cotton bags are 20c. higher.
Potato, bgs., c.l.....lb. .0735- .0760
l.c.l. .....lb. .0810- .0825
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. No stocks
Wheat, bgs.....lb. .06½- .06¾
Starch iodide, bots.....lb. 1.87 - —
Staves acre seed, bgs.....lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. .45 - .50
Stonecrot, bls. .....lb. .07½- .08
Storax, cs. .....lb. 1.00 - 1.10
Stramonium leaves, bgs.....lb. .20 - .25
Seed, bgs. .....lb. .20 - .21
Streptomycin, hospitals.....gram. 4.80 - —
wholesalers .....gram. 3.84 - —
Strontium bromide, NF, cns., dms..lb. .53 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
95%, bbls. .....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
mesh 90%, bbls., works.ton.55.00 - —
Chromate, bbls., kgs., rmts..lb. .35 - .37
Iodide, bots.....lb. 3.06 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works.....lb. .07¾- —
l.c.l., works.....lb. .08¼- .08¾
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb. 1.10 - 1.15
Sulphate, nat., air-floated, 325 mesh 90%, bbls., works.ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.65
Strophanthin, bots. .....oz.30.00 -50.00
Strophanthus seed, Kombe, bgs. lb. 2.25 - 2.30
Strychnine, NF, powd., cns., 100 ozs..oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs..oz. 1.00 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works...lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazine, USP, dms., works. lb. 9.00 - 9.10
Sulphaguanidin, dms., works..lb. 4.50 - 4.60
Sulphamerazin, dms., works...lb. 9.00 - 9.10
Sulphanilamide, USP, powd., bots., works..lb. 1.05 - 1.10
Sulphanilamide, 30-60 mesh, 10c. higher.
Sulphapyridin, powd., bots., tins, works..lb. 5.00 - 5.30
Sulphathiazole, USP, powd., dms., works..lb. 2.50 - 2.60
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 6.25 - 6.35
Sulphur, crude, c.l., bulk, mines, contract..long ton.16.00 - —
vessels, Gulf ports, contract..long ton.17.50- —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 2.00 - 2.11
precipitated, USP, bbls., kgs.lb. .18 - .36
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.25 - 3.40
heavy, bgs., c.l., works..... 100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works.100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20


Pattern for
Dependable Uniformity
Over a quarter of a century ago the high-quality reputation of Franks Stearates started to become a tradition. Built on exceptional purity and uniformity, this reputation is strengthened and maintained by continuous research in product control and refinement.
Witco serves industry with the widest range of stearates available . . . aluminum, barium, calcium, lead, lithium, magnesium, sodium, zinc. And deliveries from strategically located warehouses are another important advantage in relying on Witco for whatever stearates you may require.
WRITE FOR SAMPLES AND PRICES
FRANKS STEARATES DIVISION
WITCO CHEMICAL COMPANY
295 Madison Avenue • New York 17, N. Y.
WITCO

Sulphur, refined, flowers, USP, bgs., c.l., works..100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
Refined sulphur flowers in bbls., 35c. higher.
rock, bbls., c.l., works.100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works.100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 2.90
rubbermakers', bgs., c.l., wks. 100 lbs. 1.35 - —
Chloride, 25-gal. dms., c.l., works..lb. .02 - .03½
l.c.l., works.....lb. .04 - .04½
10-gal. dms., c.l., works..lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, com'l, cyls., c.l., works..lb. .07 - —
l.c.l. .....lb. .26 - —
multi-unit cars, works..lb. .06 - —
tanks, works.....lb. .04 - —
refrigeration, cyls., l.c.l., works..lb. .13 - .16
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .10½- —
No. 2, bbls.....lb. .09 - —
crystals, bbls.....lb. .40 - —
stainless, bbls.....lb. .11 - .13½
Superphosphate, pulverized, run-of-pile under 22% a.p.a. bulk, production points, Balto..unit-ton. .70 - —
Florida .....unit-ton. .56 - .59
others .....unit-ton. .57 - .59
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c., per unit-ton plus frt. charges from Anaconda, Mont., in excess of $8.06 per ton; guaranteed 16, 19 or 20% a.p.a., ½c. per unit-ton higher.
triple, 45% or more, a.p.a., bulk, producing points, Florida. unit-ton. .63 - —
South Carolina..unit-ton. .75 - —
Tennessee .....unit-ton. .80 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 45% from E. Tampa, Fla.
Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls.....lb. .80 - 1.00

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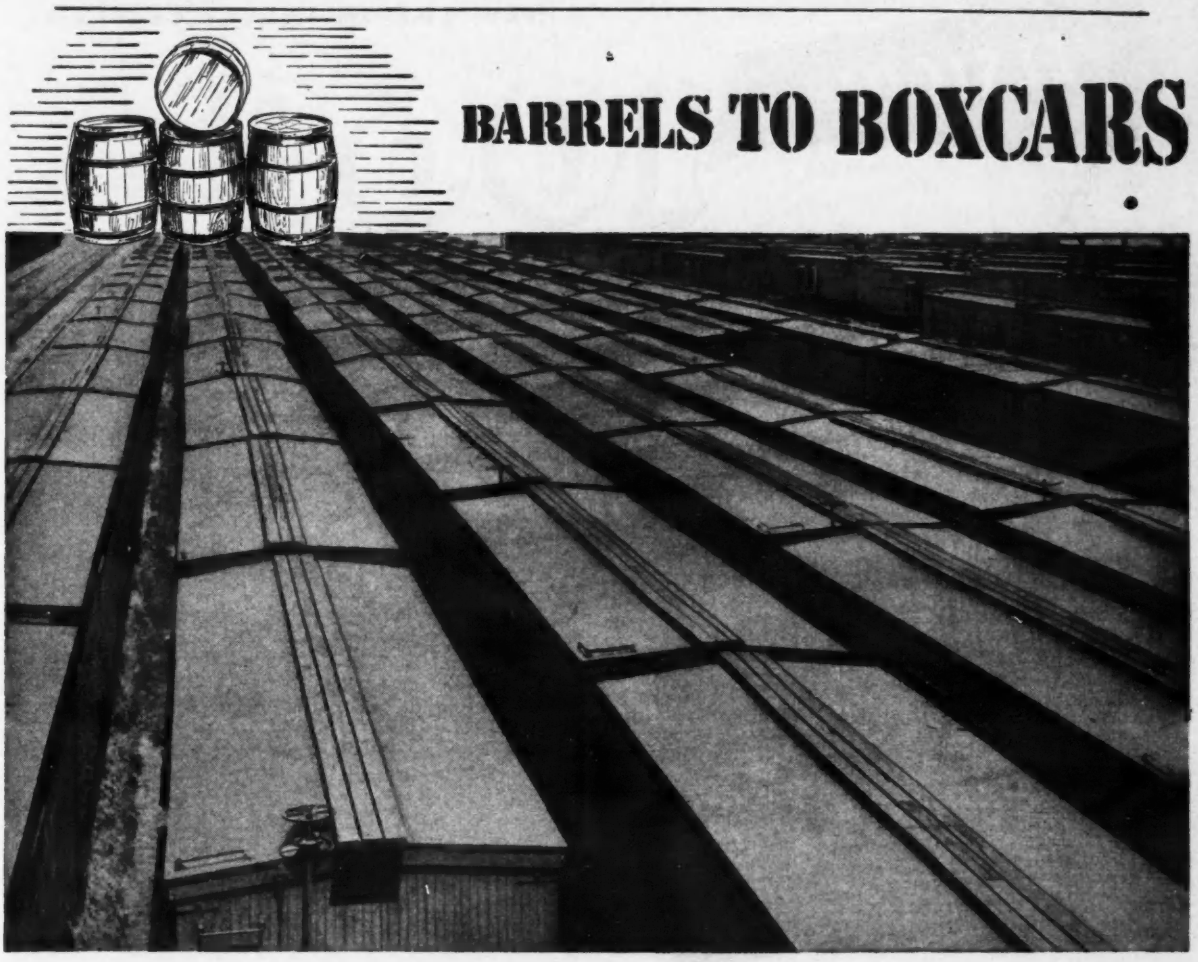
Talc, dom., ordinary, grd., bgs., c.l., works..ton.14.50 -24.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs., c.l., wks..ton.22.00 -30.00
Pennsylvania, bgs., c.l., works..ton.11.00 -13.50
l.c.l., works.....ton.12.00 -14.50
Vermont, bgs., c.l., works. ton.14.00 - —
l.c.l., works.....ton.17.50 - —
fibrous, grd., off-color, New York, bgs., c.l., works. ton.15.50 - —
325 mesh, 93-94%, bgs., c.l., works..ton.17.50 - —
98 - 99.5%, bgs., c.l., works..ton. No prices.
99.85-99.95% bgs., c.l., works..ton. No prices.
Imp., Canada, bgs., c.l.....ton.35.00 -44.50
Tallow, inedible, extra, loose..lb. .21¾- —
special, loose.....lb. .21½- —
sulphonated 50% (42% fat), dms., c.l..lb. No prices
(70% fat), dms., c.l.....lb. No prices
Tallow, sulphonated, l.c.l., ½c. higher.
Tamarind, bbls.....lb. .12¾- .13¾
Tankage, animal, feed grade, 9-11% ammon., bulk, unit-ton.10.50 - —
Chicago .....unit-ton.10.50 - —
fert. grade, 9% ammon., 10% b.p.l., bulk..unit-ton. No stocks
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. No stocks
Tapioca flour, bgs.....lb. .07¾- .11¾
Java, bgs.....lb. No stocks
Tar acid oil, 15-18%, dms., c.l., works..gal. .35 - —
l.c.l., works.....gal. .38 - —
25%, dms., c.l., works...gal. .41 - —
l.c.l., works.....gal. .44 - —
Tar, pine (see Pinetar).
Tara pods, c.l., ex dock U. S. ports..long ton. No prices
powd., c.l., same basis.long ton. No prices
Tarragon herb, bgs.....lb. .60 - .65
Leaves, bgs.....lb. 1.20 - 1.25
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .44 - —
dms. .....lb. .44½- .47
Tartar emetic, USP, powd., bbls., dms., kgs..lb. .49 - .53
Terpin hydrate, com'l, bbls., c.l., lb. .24½- —
lb. .25 - .25½
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, Alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .12 - —
pure, dms.....lb. .54 - .60
extra, dms. .....lb. .59 - .63
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .10 - —
Terpinyl acetate, extra, cns., dms. lb. .60 - .67
prime, cns., dms.....lb. .62 - .70
Terra alba (see Gypsum).
Tetrachloroethane, dms., works, lb. .66 - .66½
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works..lb. .65 - —
Tetralin, dms. .....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 99%, bots., works..lb.17.50 - —
Theobromine, dms., 25-lb. lots.lb. 3.75 - —
smaller lots .....lb. 3.95 - 4.10
Thiamine hydrochloride, dms., 100 grams or more..kilo.160.00- —
Thiocarbanilide, dms. .....lb. .24 - —
Thiouracil, dms., works.....lb. 5.50 - 5.60
Thiourea, CP, dms. .....lb. .55 - .58
Thorium nitrate, cs., works..lb. 2.00 - —
Thyme, French, bgs. .....lb. .17 - .17½
futures, bgs. .....lb. .16 - .16½
Spanish, bls. .....lb. .12 - .13½
Thymol, cns. .....lb. 2.40 - 2.75
Iodide, dms. .....lb. 3.40 - 3.60
Timbo root (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks.
crystals,[6] bgs., bbls.....lb. No stocks.
Metal,[6] .....lb. .70 - —
Bolivian .....lb. .63½- —
Straits .....lb. No stocks.
Oxide,[1,6] bbls. .....lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works..lb. .31 - .33
Titanium dioxide,[4] chalk resistant, bgs., c.l., dlvd...lb. .15 - —
l.c.l., dlvd. .....lb. .15½- .15¾
nonchalking,[4] bgs., c.l., dlvd. E...lb. .16½- —
l.c.l., dlvd. .....lb. .16¾- .17¼
plain, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd. .....lb. .14¾- .15¼
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base,[4] bgs., c.l., dlvd...lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Calcium base,[4] bgs., c.l., dlvd...lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Calcium-rutile base,[4] bgs., c.l., dlvd...lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Magnesium base,[4] dlvd.....lb. .05¼- —
l.c.l., dlvd.....lb. No prices
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse, ¼c. higher.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works....lb. .65 - 1.22
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. 4.35 - 4.40
Toluene (see Toluol).
Toluidin base, distilled, kgs...lb. 1.00 - —
Toluol (toluene), 2°, indust., ret. dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
West Minnequa, Colo..gal. .22 - —
1°, nitration, ret. dms., works. gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
West Minnequa, Colo..gal. .22 - —
Tonga, 50% bark and vine, bbls. lb. .90 - .91
Tonka beans, Angostura, cks..lb. 1.70 - 1.80
Brazilian, Surinam, cs.....lb. .85 - .90
Totaquine, USP XII, 100-ozs. lots..ozs. .52 - —
Tracetin, dms., works.....lb. .26 - —
Triamylamine, dms., c.l., works. lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs. .....lb. .34 - .40
Phosphate, dms., l.c.l., frt. alld. E. of Rockies..lb. .65 - —
Tributylamine, dms., c.l., works. lb. .78 - —
l.c.l., works.....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .06 - —
l.c.l., frt. alld.....lb. .08½- —
tanks, frt. alld.....lb. .07½- —
Trichloroethane, dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17 - —
Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .06 - —
Zone 2, frt. alld.....lb. .06½- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene, l.c.l. prices, ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate, tech., cns., works..lb. .28 - .29½
dms., c.l., dlvd.....lb. .25 - —
l.c.l., dlvd.....lb. .25½- —
tanks, dlvd.....lb. .24 - —
Triethanolamine, dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .16½- —
Triethyl phosphate, cns.....lb. .46 - —
Triethylamine, dms., c.l., works, basis 100%..lb. .24 - —
l.c.l., works, basis 100%...lb. .26 - —
tanks, works, basis 100%....lb. .20 - —
Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, anhydrous, cyl., works, frt. alld. E. of Miss., 100% basis..lb. .35 - —
solution, dms., c.l., frt. alld. E. of Miss., 100% basis..lb. .35 - —
Triphenyl phosphate, bbls., c.l., frt. alld..lb. .31 - —
l.c.l., same basis.....lb. .32 - —
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double-grd., bgs., c.l., works ton.17.50 - —
once-grd., bgs., c.l., works.ton.16.00 - —
Trisodium phosphate (see Soda phosphate tribasic).
Tuba root (see Cube root).
Tungsten metal, powd., 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices
Turmeric root, Alleppey, bls...lb. .19½- .20
Haitian, bls.....lb. .14½- .15
Jamaica, futures, bls.....lb. .15½- .16
Madras, bgs.....lb. .16¼- .16¾
Turpentine, gum (see Naval Stores, Protective Coatings market).
Wood, d.d., dms. incl, c.l., wks., South..gal. .84 - —
l.c.l., same basis.....gal. .86 - —
tanks, wks., South.....gal. .75 - —
steam-dist., ret. dms., East. gal. 1.10 - —
tanks, East.....gal. No prices
Sulphate, ret. dms.....gal. 1.15 - —

TITANOX... *the brightest name in titanium pigments*



BARRELS TO BOXCARS

In 1914, four barrels of Titanox-B were made and shipped from a pilot plant in Niagara Falls, New York. This was the first production run of titanium barium pigment in the United States . . . and represents another "TITANIUM PIGMENT FIRST"

Today, Titanox pigments are shipped in carload quantities. The experimental plant at Niagara Falls has given way to huge factories, one at St. Louis and the other at Sayreville, N. J.

The reason for this tremendous growth is understandable when you consider the exceptional qualities that Titanox pigments impart to various products: high opacity, whiteness and brightness. These, combined with chemical inertness and extremely fine particle size, make Titanox pigments the most efficient obtainable. Always economical, they have steadily decreased in cost through the years.

Constant progress in improving industry's products with Titanox pigments has always been – and is now – a major endeavor of their producers. While maintaining quality standards, every effort is being made to produce greater quantities of Titanox pigments to meet growing needs in many fields.

TITANOX TITANIUM PIGMENT CORPORATION
SOLE SALES AGENT

111 Broadway, New York 6, N. Y.
104 South Michigan Ave., Chicago 3, Ill.
350 Townsend St., San Francisco 7, Cal.
2472 Enterprise St., Los Angeles 21, Cal.

U

Unicorn root, false (see Helonias root).
True (see Aletris root).

Uranium,[e] oxide, black, bgs...lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —

Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.68.00 - —
l.c.l., ship. pts.....ton.70.50 -80.00

fertilizer comp., 42% N., bulk, c.l., works or Atlantic or Gulf ports..ton.57.40 - —

fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.80 - —

imports, pure, cs.....lb. .12 - —

Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —

fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va., NH_3, ton.112.60 - —

C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Urunday, extract, 63% tannin, ex dock, U.S. ports..lb. .05625- .05875

Uva ursi leaves, bls.....lb. .16 - .19

V

Valerian root, Belgian, NF, bls. lb. .58 - .77

Indian, bls. .....lb. .42 - .52

Valonia, beards, bgs, ex dock.. ton.75.00 - —

Cups, bgs., ex dock.....ton.60.00 - —

Extract, powder, bgs., ex dock, lb. .11½- .11¾

Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —

tech., dms., works.....lb. 1.10 - —

Vanilla beans, Bourbon, tins..lb. 8.00 - 8.75

Mexican, cuts, tins.....lb. 9.50 -10.00

whole, tins.....lb.10.50 -11.00

Tahiti, tins.....lb. 4.00 - 4.25

Vanillin, ex eugenol, tins, 25 lbs. or more..lb. 4.50 - —

smaller lots, tins.....lb. 4.55 - 4.65

ex guaiacol, tins, 25 lbs. or more..lb. 2.35 - —

smaller lots, tins.....lb. 2.40 - 2.50

ex lignin, tins, 25 lbs. or more. lb. 2.35 - —

smaller lots, tins.....lb. 2.40 - 2.50

Venice turpentine, artif., cns..lb. .24 - .26

Verdigris, bbls., bgs.....lb. .22 - .28

Vinyl acetate, cbys., works....lb. .25 - —

dms., c.l., works.....lb. .15 - —

l.c.l., works.....lb. .16 - —

smaller pkgs., l.c.l., works.lb. .25 - —

Ether, bots., 75 c.c., less 20% and 20%..bot. 1.50 - —

50 c.c., same basis.....bot. 1.05 - —

25 c.c., same basis.....bot. .65 - —

Trichloride (see Trichloroethane).

Vinylpyridin, ret. dms., works.lb. 1.50 - —

Vitamin A (see Oils, codliver, halibut-liver).

B (see Thiamine hydrochloride).

B_2 (see Riboflavin).

B complex, natural (see Rice bran and Yeast).

Viosterol (irradiated ergosterol), bots., mil., units. .10 - .12

in corn oil (see Calciferol).

Vitamin C (see Acid, ascorbic).

D (see Oils, codliver, halibut-liver, viosterol).

D_2 (see Calciferol).

E (see Alphatocopherol).

G (see Riboflavin).

P-P (see Acid, nicotinic, and Nicotinamide).

Violet, methyl, toner (see M).

V.M.P. naphtha (see Petroleum naphtha

W

Wattle bark, merchantable, bgs., f.a.s..ton.58.00 -59.00

fair average, bgs., f.a.s.. ton.60.00 - —

extract, liquid, 35% tannin, bbls., works..lb. .05¾- .06¼

tanks, works .....lb. .06¼- .05¾

solid, E. Afr., 61% tannin, ex dock..lb. .06¼- .06¾

S. Afr., 62% tannin, ex dock. lb. .06½- .06¾

Wattle extract prices based on $12 freight and $1.00 insurance per long ton.

Wax, amorphous (see Wax, microcrystalline).

Bayberry, bgs.....lb. No stocks

Bees, bleached, USP, white, bricks, cakes, cs..lb. .68 - .70

slabs, bgs.....lb. .65 - .68

crude, African, bgs.....lb. .56 - .57

Western hemisphere, bgs.lb. .58 - .60

refined, yellow, bricks, bgs.lb. .60 - .62

slabs, cs.....lb. .59 - .61

Candelilla, crude, bgs.....lb. .77 - .78

refined, bgs.....lb. .80 - .82

Powdered, candelilla, 20 mesh, 5c. per lb. extra, 80 mesh, 5½c.; 100-200 mesh, 6c.

Carnauba, chalky, No. 3, bgs., bgs., ton lots..lb. 1.55 - 1.60

North Country, No. 2, bgs., ton lots..lb. 1.70 - 1.75

No. 3, bgs., ton lots.....lb. 1.65 - 1.70

refined, bgs., ton lots.....lb. 1.75 - 1.80

yellow, No. 1, bgs., ton lots.. lb. 1.95 - 2.00

No. 2, bgs., ton lots.....lb. 1.93 - 1.98

Powdered carnauba prices, same differentials as powdered candelilla.

Wax, ceresin, dom., 132°-136° m.p., bgs..lb. .12½- .13½

138°-140° m.p., bgs.....lb. .15 - —

158°-162° m.p., bgs.....lb. .19 - .30

Japan, bgs. .....lb. No stocks

Microcrystalline, 170°-175° m.p., A.S.T.M., amber, ctns., 30 tons yearly contract, group 3, works..lb. .14½- —

smaller lots, same basis. lb. .14½- .15½

black, ctns., 30 tons, same basis..lb. .12¾- —

smaller lots, same basis..lb. .13 - .14

white, ctns. 30 tons, same basis..lb. .24¾- —

smaller lots, same basis.. lb. .25 - .26

190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .16¼- —

smaller lots, same basis. lb. .16½- .17½

black, ctns., 30 tons, same basis..lb. .14¾- —

smaller ctns., same basis. lb. .15 - .16

white, ctns., 30 tons, same basis..lb. .28¾- —

smaller lots, same basis. lb. .29 - .30

Montan, bgs.....lb. .53 - .55

Ouricury, crude, bgs., ton lots. lb. .85 - .90

refined, bgs., ton lots.....lb. .95 - 1.00

Powdered ouricury prices same as powdered candelilla.

Ozokerite, dom., 189-190 F., c.l. lb. .36 - —

182-184 F., bgs., c.l.....lb. .31 - —

182-183 F., bgs., c.l.....lb. .31 - —

Spermaceti, blocks, cs.....lb. .45 - .50

cakes, cs.....lb. .46 - .51

White lead (see Lead, white).

White precipitate, powd., dms., 50 lbs. or more..lb. 2.50 - —

White pine bark, rossed, bls..lb. .23 - .24

Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons, N.E., works..ton. 6.50 - —

Penna. works .....ton. 9.00 - —

smaller lots, N.E., works. ton. 8.50 - —

wet-grd., air-floated, 360 mesh, 99½%, bgs., c.l..ton.16.00 -27.50

200 mesh, 99¾%, bgs., c.l. ton. No prices

90%, bgs., c.l.....ton. No prices

water-floated, extra gilders, bgs., c.l..ton.14.50 -23.00

gilders, bgs., c.l.....ton. No prices

putty grade, bgs., c.l..ton.22.00 - —

surface treated, bgs., c.l., Ohio, works..ton.27.50 - —

Paris white, bgs., c.l.....ton.25.00 -31.00

l.c.l. .....ton.25.00 -29.00

precipitated, bgs., c.l.....ton.14.00 -15.00

l.c.l. .....ton.18.00 -20.00

Wild cherry bark, thick, bls..lb. .06 - .07

thin, natural, bgs.....lb. .18 - .20

rossed, green, bls.....lb. .20 - .21

Wild indigo root, bls.....lb. .22 - .25

Witch-hazel leaves, bls.....lb. .20 - .22

Witherite (see Barium carbonate, natural).

Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y..ton. No prices

60 mesh, same basis.....ton. No prices

80 mesh, same basis.....ton. No prices

100 mesh, same basis.....ton. No prices

Woodflour, in bags, 25c. each extra, returnable.

Wormseed, American, bgs.....lb. .20 - .27

Levant, bgs.....lb. 4.25 - 4.30

Wormwood, bls. .....lb. .59 - .60

X

Xanthorrhiza, bls.....lb. .28 - .30

Xylidin, mixed, dms.....lb. .38 - —

Xylene (see Xylol).

Xylol (xylene), indust., ret. dms., works..gal. .27 - —

tanks, E. of Omaha, frt. alld..gal. .22 - —

West Minnequa, Colo..gal. .22 - —

10°, ret. dms., works.....gal. .30 - —

tanks, E. of Omaha, frt. alld..gal. .25 - —

5°, ret. dms., works.....gal. .31 - —

tanks, E. of Omaha, frt. alld..gal. .32 - —

3°, ret. dms., works.....gal. .42 - —

tanks, E. of Omaha, frt. alld..gal. .37 - —

Y

Yara yara, cryst., bots., cns..lb. 1.75 - 1.90

Yeast, brewer's dry, 50 B units, dms..lb. .35 - —

90 B units, dms.....lb. .45 - —

200 B units, dms.....lb. .50 - —

300 B units, dms.....lb. .60 - —

Yellow, barium chromate, CP, bgs., l.c.l., divd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .32 - —

Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.

Benzidin, bbls., divd.....lb. 1.45 - —

Cadmium, lithopone, all shades, bbls., frt. alld. E. of Rockies..lb. .55 - .60

Los Angeles and San Francisco, ex whse., 1c. per lb. higher.

Chrome, CP, bbls., divd. N. Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.. lb. .23½- —

Chrome, CP, bbls., divd. Ala., Fla., Ga., La. (Shreveport), 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St Joseph, 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dutch, pink, bbls.....lb. .09 - .11

Hansa, bbls., same basis as chrome..lb. 1.48 - —

primrose, bbls., same basis.lb. 1.90 - —

Iron oxide, nat., bbls., c.l., Bethlehem, Easton, Pa.. lb. .04¼- —

l.c.l., same basis.....lb. .05 - —

synthetic, bbls., c.l., works. lb. .0685- —

l.c.l., works.....lb. .0710- —

Mercury oxide, bbls., 1,000 lbs. lb. 2.43 - —

smaller lots.....lb. 2.45 - —

A NEW ERA IN INSECT CONTROL

VELSICOL 1068*

in AGRICULTURAL FORMULATIONS

NON-PHYTOTOXIC

In the extensive experimental work which has been conducted to date in agriculture with effective formulations of VELSICOL 1068 there has been no record of plant injury due to the compound $C_{10}H_6Cl_8$. This indicates that VELSICOL 1068 is safe to use on vegetative crops.

VELSICOL 1068 CONCENTRATE SPRAY OIL SOLUTIONS

For airplane dispersals or concentrate sprayers.
VELSICOL 1068 TECHNICAL is completely soluble in all proportions in all aliphatic and aromatic solvents.

*Patents Pending

VELSICOL 1068 EMULSION CONCENTRATES

1. Use of VELSICOL 1068 with oil and emulsifier.
Formulation recommended for quick breaking emulsion:
62½% by vol. VELSICOL 1068 TECHNICAL.
32½% by vol. Deodorized Kerosene.
5% by vol. of an oil soluble non-alkaline emulsifier.
Each pint of this concentrate contains 1 lb. of VELSICOL 1068 TECHNICAL.
2. Use of VELSICOL 1068 with water and emulsifier.

VELSICOL 1068 INSECTICIDAL DUSTS

Up to 5% by weight on non-absorptive powders such as talc or pyrophyllite.
Up to 50% by weight on absorptive powders such as diatomaceous earth or fossil flour.
Makes excellent uniform dusts with good physical properties.

VELSICOL 1068 WETTABLE POWDERS

These are readily made by the use of 3% of a good wetting agent with a 50-50 mix by weight of VELSICOL 1068 TECHNICAL and an absorptive carrier.

For agricultural work VELSICOL 1068 is available in Technical Grade, 90% purity.
Consult VELSICOL'S staff regarding further details. Samples on request.

VELSICOL Corporation

Manufacturers of: Insect Toxicants • Synthetic Resins • Coresin Core Oils • Aromatic Solvents

General Offices: 120 East Pearson Street • Chicago 11, Illinois

Branch Offices: New York • Detroit • Cleveland

Representatives: E. B. Taylor Co., Los Angeles 13, Cal. • E. M. Walls, San Francisco 11, Cal.

In Canada: Natural Products Corp., Montreal 2

WARWICK WAX COMPANY, INC.

Subsidiary SUN CHEMICAL CORPORATION
580 Fifth Avenue, New York 19, New York
REFINERY: CHANUTE, KANSAS

TECHNICAL SERVICE DATA

Note! →

CARDIS 319

(patents applied for)

Cardis 319 is an emulsifiable petroleum wax. With that short statement we present to industry one of the outstanding developments in the field of petroleum chemistry.

This unique product was originally produced in our laboratories as a substitute or extender for carnauba wax in emulsion polishes. However, it quickly has found advantage in paste polishes, carbon paper and various other formulations where non-petroleum waxes were formerly regarded as necessary.

Science had known for some years that in the laboratory it was possible to produce petroleum hydrocarbons with appreciable acid and saponification numbers, but our research staff has been able to develop proper catalysts and procedure and adopt them to commercial production.

Cardis 319 has the unusual advantage of emulsifiability plus many of the qualities of the highest grade de-oiled microcrystalline waxes. In polishes it approaches the lustre of carnauba, its resistance to wear, and, in addition, gives non-slip films.

Specifications of Cardis 319 are as follows:

Acid No.	20 Min.
Saponification No.	60 Min.
Melting Point	175° F. Min.
Penetration	10 Max.
Color	6-1/2 Max.

To illustrate the potentialities of Cardis 319, we sugg
simple formulation:

THIS BRIEF DATA SHEET IS THE RESULT OF YEARS OF INTENSIVE RESEARCH IN WARWICK LABORATORIES

OPENING NEW COMMERCIAL POSSIBILITIES FOR INDUSTRIES REQUIRING EMULSIFIABLE PETROLEUM WAX

Problems in your specific field regarding the use of Cardis 319 may be reviewed by our technical experts.

WARWICK WAX COMPANY, INC., Subsidiary Sun Chemical Corporation
580 FIFTH AVENUE, NEW YORK 19, NEW YORK

Sun CHEMICAL CORPORATION

Yellow ocher, American, golden, bbls., works..lb. .04½- .06¼
yellow, bbls., works.....lb. .02 - .02¾
French type, bbls., c.l.....lb. .0645- —
l.c.l. .....lb. .0905- —
Persian orange (see O).
Zinc, bbls., same basis as chromo..lb. .17¼- —
Yellow, zinc, Navy spec. type, bbls., contract..lb. .19 - —
Yellow dock root, bls.....lb. .32 - .40
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls.....lb. .30 - .32
Yohimbine hydrochloride, vls..oz. 3.25 - 4.00

Z

Zein, bgs., 1,000 lbs., works...lb. .25 - —
smaller lots, bgs.....lb. .30 - —
Zinc acetate, tech., bbls., dlvd.lb. .18 - —
USP, bbls.....lb. .26 - .27
kgs. .....lb. .29 - —
Arsenite, bgs., c.l., frt. alld. E. of Rockies..lb. .11¾- .12¼
l.c.l., same basis.....lb. .12¼- .13½
Borate, bgs., c.l.....lb. .12 - —
Carbonate, tech., rubber-makers' grade, bbls., works..lb. .09¾- .10¾
USP, precip., powd., bbls..lb. .35 - —
dms. .....lb. .40 - —
kgs. .....lb. .37 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.35 - —
gran., dms., c.l., works... 100 lbs. 5.75 - —
l.c.l., works.....100 lbs. 6.50 - —
solution, 50%, dms., c.l., works. lb. .0315- —
l.c.l., works.....lb. .04¼- .04½
tanks, works.....lb. .0250- —
USP, dms.....lb. .30 - .31
jars .....lb. .35 - .36

Zinc chromate (see Yellow, zinc).
Cyanide, kgs., works.....lb. .32 - .37
Dust, bbls., c.l., dlvd.....lb. .1250- .1260
l.c.l. .....lb. .12¾- .13
Fluoride, bbls., works.....lb. .18 - .19
Hydrosulphite, dms., works.lb. .16 - —
Iodide, NF, bots.....lb. 4.50 - 4.75
jars .....lb. 4.40 - —
Laurate, bbls.....lb. .32 - .38
Metal (quotations in Protective Coatings market).
Naphthenates, 8%-10% Zn, dms., lb. .17¾- .21½
Oxide, pigment, dom., acicular, bgs., c.l., dlvd..lb. .09 - —
l.c.l., works.....lb. .09¼- —
American process, com'l, lead-free, bgs., c.l., dlvd..lb. .09 - —
l.c.l., works.....lb. .09¼- —
leaded, 5% bgs., c.l., dlvd..lb. .09 - —
l.c.l., works.....lb. .09¼- —
35% or more, bgs., c.l., dlvd..lb. .10¼- —
l.c.l., works.....lb. .10½- —
50%, bgs., c.l., dlvd.lb. .10¾- —
l.c.l., works.....lb. .11 - —
French process, com'l, lead-free, bgs., c.l., dlvd..lb. .11¼- —
l.c.l., works.....lb. .11½- —
green seal, bgs., c.l., dlvd..lb. .10¾- —
l.c.l., works.....lb. .11 - —
white seal, bgs., c.l., dlvd..lb. .11¼- —
l.c.l., works.....lb. .11½- —
red seal, bgs., c.l., dlvd. lb. .10¼- —
l.c.l., works.....lb. .10½- —
USP, ctns., c.l., dlvd.....lb. .12¼- —
l.c.l., works.....lb. .12½- —
Zinc oxde Pac. Coast prices ½c. higher; bbl. prices ¼c. higher than bgs.

Zinc resinate, fused, 1% Zn, lump, precipitated, 8.40% to 9% Zn, powd., dms..lb. .15 - —
Silicofluoride, bbls.....lb. .15 - .16
Stearate, tech., ctns., 2,000 lbs. to c.l..lb. .48 - .49
smaller lots, same basis.lb. .50 - —
USP (same prices as tech.).
Sulphate, cryst., bgs., c.l., works, frt. alld..100 lbs. 3.40 - —
l.c.l., same basis....100 lbs. 4.15 - —
flake, bgs., c.l., same basis. 100 lbs. 3.90 - —
l.c.l., same basis....100 lbs. 4.55 - —
powd., bgs., c.l., same basis. 100 lbs. 5.35 - —
l.c.l., same basis....100 lbs. 6.10 - —
Zinc sulphate, in bbls., 25c. higher.
Sulphide, pure, bgs., c.l., dlvd. lb. .09½- —
l.c.l., works.....lb. .09¾- —
Barium pigment, works, bgs., c.l., dlvd..lb. .06½- —
l.c.l., works.....lb. .06¾- —
Fluorescent pigment, works, frt. alld..lb. 1.00 - 3.00
Magnesium-pigment, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd.....lb. .06¾- —
Zinc sulphide and pigments, Pac. coast prices ½c. higher; bbl. prices ¼c. higher than bgs.
Sulphocarbolate, NF, gran., bbls., dms..lb. .26 - .30
Sulphoxylate formaldehyde, basic, dms., works, frt. alld..lb. .17 - —
normal, dms., works, frt. alld..lb. .35 - —
Tallate, 5% Zn, dms.....lb. .09¾- —
Yellow (see Yellow, zinc).
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.65 - —
l.c.l., works.....100 lbs. 6.70 - —

Zinc - cadmium sulphide, fluorescent, ens., works, frt. alld..lb. 2.00 - 2.80
Zinc-iron oxide pigment, bgs., c.l., dlvd..lb. .07¾- —
l.c.l., dlvd. E. of Rockies. lb. .08¼- —
Pac. cst.....lb. .08½- —
ex whse., Pac. cst...lb. .09¾- —
Zirconium acetate, solution, bbls., works..lb. .25½- —
Hydride, ens., works.....lb. 7.00 - 8.00
Nitrate, bgs., works.....lb. 3.00 - 4.00
Oxide, 99%, grd., bbls., c.l., works..lb. .22½- —
l.c.l. .....lb. .22¾- —
white, 98½%-99%, grd., kgs., works..lb. .20 - —
milled, electric, fused, 2,000-9,999 lbs., works.lb. .42 - —
500 lbs. and less, same basis..lb. .40½- .42
Oxychloride, cryst., bbls., 5 tons, works..lb. .23¼- —
Sulphate, basic, cake, bbls., c.l., works..lb. .18 - —
l.c.l., works.....lb. .18½- .20
smaller lots, works..lb. .30 - .31½

Use Horse Head XX Lead-Free Zinc Oxides

● **USE THEM TO EXTEND SCARCE HIDING PIGMENTS**

Don't forget zinc oxide is a hiding pigment.

Send for the Zinc Oxide Pigment Selection Chart

● **USE THEM AS A REPLACEMENT FOR LEADED ZINC OXIDES**

In exterior house paints lead and zinc ratios can be varied readily.

● **QUALITY OF PAINTS**

Horse Head XX Lead-Free Zinc Oxides have good color, brightness, consistency and uniformity.

New Jersey Zinc

THE NEW JERSEY ZINC COMPANY
160 FRONT STREET, NEW YORK 7, N. Y.

Synthetic Resins and other Branded Paint Materials
(Manufacturers' List Prices)

A

Abalyn (see methyl abietate in Current Market Quotations).
Aquaplex (resin emulsion type), S-6, bbls., c.l..lb. .14 - —
l.c.l. .....lb. .14¼- —
Aroclors, distilled, dms., c.l., works..lb. .18 - —
ton lots, works.....lb. .18½- —
single dms., works.....lb. .19 - —
Aroclors, undistilled, dms., c.l., works..lb. .15½- —
ton lots, works.....lb. .16 - —
single dms., works.....lb. .16¼- —

B

Bakelite, restricted materials, C-9 resin solution, BJ-16580, c.l..lb. .26 - —
single drums.....lb. .26½- —
100% phenolic, dark, heat hardening, BR-2987, c.l..lb. .29 - —
single drum.....lb. .29½- —
non-heat hardening, BR-1329, c.l..lb. .29 - —
single drums.....lb. .29½- —
BR-9476, c.l.....lb. .29 - —
single drum.....lb. .29½- —
Pale, non-heat hardening, BR-8900, c.l..lb. .39 - —
single drum.....lb. .39½- —
Dispersion resins, BK-16302, c.l..lb. .2770- —
single drum.....lb. .2820- —
BK-16700, c.l.....lb. .27 - —
single drum.....lb. .27½- —
Lacquer resin, BJ-15408, c.l. lb. .24 - —
single drum.....lb. .24½- —
Modified phenolic resin, BR-11554, c.l..lb. .18 - —
single drum.....lb. .18½- —
Phenolic "resin-baking" resins and solutions, BV-8900, c.l..lb. .20 - —
single drum.....lb. .20½- —
XV-15376, c.l.....lb. .26 - —
single drum.....lb. .40¼- —
XV-17656, c.l.....lb. .49½- —
single drum.....lb. .50 - —
Bakelite, phenolic resins, oil modified, BR-302, c.l....lb. .3460- —
single drum.....lb. .3510- —
BR-2175, c.l.....lb. .38 - —
single drum.....lb. .38½- —
Plasticizing resins, BJ-14424, c.l..lb. .22 - —
single drum.....lb. .22½- —
BR-14877, c.l.....lb. .44½- —
single drum.....lb. .45 - —
Styrene oil soluble resins, XRS-1, c.l..lb. .40 - —
single drum.....lb. .40½- —
XRS-2, c.l.....lb. .48 - —
single drum.....lb. .48½- —
Standard materials, C-9 resin concentrate, BR-13260, c.l..lb. .37 - —
single drum.....lb. .37½- —
C-9 resin, oil modified, BR-17920..c.l..lb. .34 - —
single drum.....lb. .34½- —
100% phenolic resins, pale, heat hardening, BR-3360, c.l..lb. .36 - —
single drum.....lb. .36½- —
BR-10282, c.l.....lb. .32 - —
single drum.....lb. .32½- —
BR-14634, c.l.....lb. .30 - —
single drum.....lb. .30½- —
Non-heat hardening, BR-254, c.l..lb. .36 - —
single drum.....lb. .36½- —
BR-4036, c.l.....lb. .37 - —
single drum.....lb. .37½- —
BR-9432, c.l.....lb. .28 - —
single drum.....lb. .28½- —
BR-17770, c.l.....lb. .32½- —
single drum.....lb. .33 - —
Resin concentrates, BR-15775, c.l..lb. .26 - —
single drum.....lb. .26½- —
XR-15778, c.l..... ....lb. .27½- —
single drum.....lb. .28 - —
Dispersion resins, BK-3902, c.l..lb. .2770- —
single drum.....lb. .2820- —
BK-16624, c.l.....lb. .22½- —
single drum.....lb. .23 - —
Lacquer resin, BR-9367, c.l.. lb. .19 - —
single drum.....lb. .19½- —
Modified phenolic resins, BR-2072, c.l..lb. .23 - —
single drum.....lb. .23½- —
Phenolic "resin baking" resins and solutions, BV-1600, c.l..lb. .30 - —
single drum.....lb. .30½- —
BV-10673, c.l.....lb. .35 - —
single drum.....lb. .35½- —
XR-17620, c.l.....lb. .26½- —
single drum.....lb. .27 - —

Bakelite materials in less than one-drum quantities are ½c. per pound higher than single drum quantities. All prices are f.o.b. manufacturer's plant or warehouse; minimum transportation charges prepaid on units of standard drums or over to destination in United States except as follows:—add 1c. per pound for delivery to Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming.

C

Celloiyn 102, works, c.l.....lb. .22 - —
10 dms. .....lb. .22¼- —
1-9 dms. .....lb. .22½- —

Cumar resin, AX, non-ret. dms., net weight..lb. .06½- —
BX, net weight.....lb. .06½- —
CX, gross weight.....lb. .06 - —
DX, gross weight.....lb. .05½- —
EX, gross weight.....lb. .05½- —
FX, gross weight.....lb. .06 - —
MH, Col. 1.....lb. .13 - —
1½-2.....lb. .12 - —
2½-3½.....lb. .11 - —
9.....lb. .09 - —
MS.....lb. .11 - —
P, 10°-90° C., col. 2½ and darker..lb. .11 - —
RH.....lb. .11 - —
RS.....lb. .11 - —
V col. ½.....lb. .14 - —
1.....lb. .13 - —
1½-2.....lb. .12 - —
2½ and darker.....lb. .11 - —
W col. ½.....lb. .14½- —
1.....lb. .13½- —
1½-2.....lb. .12½- —
2½ and darker.....lb. .11½- —

All "P" grades with melting point below 50 degrees C., and grades AX and HX are shipped in steel drums. Grades CX, DX, EX and FX are sold on a gross weight basis. All other grades are sold on a net weight basis and are shipped in destructible metal drums, but their packaging is subject to change without notice. Prices are based on f.o.b. plant at Frankfort, Pa., freight equalized with Pittsburgh.

D

Dow resin 276 V-2 and V-9, 55-gal. drums, c.l., works. lb. .24 - —
l.c.l., same basis.....lb. .24½- —
5 and 10-gal. drums, same basis..lb. .30 - —
DC-804, dms., 50 gals., works.lb.18.65 - —
30 gals., same basis...lb.18.65 - —
10 gals., same basis...lb.19.40 -19.70
Duraplex (no prices at this time).
Durite, 1301, pale, one drum and over..lb. .29 - —
smaller lots.....lb. .30 - —
Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, Group "A," A (E.S. 2), non-ret. dms., c.l., works, frt. alld. in U. S. except Ariz., Calif., Colo., Ida., Mont., Nev., N. M., Tex., Utah, Wash., Wyo..lb. .31½- —
l.c.l.....lb. .32 - —
D, c.l., same basis.....lb. .27½- —
l.c.l.....lb. .28 - —
22 (E.S. 202), c.l., same basis. lb. .23½- —
l.c.l.....lb. .24 - —
25 (E.S. 246), same basis, any quantity..lb. .20 - —
33 (E.S. 293), c.l., same basis. lb. .25 - —
l.c.l.....lb. .25½- —
562 (E.S. 19), c.l., same basis. lb. .26½- —
l.c.l.....lb. .27 - —
660 (E.S. 56), c.l., same basis. lb. .23 - —
l.c.l.....lb. .23½- —
750 (E.S. 94), c.l., same basis. lb. .32 - —
l.c.l.....lb. .32½- —
2600 (E.S. 72), c.l., same basis. lb. .25½- —
l.c.l.....lb. .26 - —
Group "B," B. (E.S. 3), c.l., same basis..lb. .15 - —
l.c.l.....lb. .15½- —
2633 (E.S. 69), c.l., same basis. lb. .25½- —
l.c.l.....lb. .26 - —
4040 (E.S. 230), c.l.....lb. .27½- —
l.c.l.....lb. .28 - —
5898, c.l., same basis.....lb. .27 - —
l.c.l.....lb. .27½- —
Group "A" are standard production items normally carried in the manufacturer's inventory. Group "B" are not always so carried.
Ethocel, ctns. (50-lb.), 5,000 lbs. or more, frt. alld. 100 lbs. up, works..lb. .50 - —
under 5,000 lbs., same basis.. lb. .52 - —
under 50 lbs., same basis..lb. .60 - —

F

FCD alkyds (no prices at this time).
Flexalyn, solid, non-ret. black iron dms., c.l., f.o.b. cars, destination, zone 1. lb. .17¼- —
10 dms., same basis....lb. .18 - —
1-9 dms., same basis..lb. .19½- —
'C, non-ret., black iron dms., c.l., f.o.b. cars, destination, zone 1..lb. .16¼- —
10 dms., same basis....lb. .17 - —
1-9 dms., same basis..lb. .18½- —
solution, non-ret. dms., c.l., f.o.b. cars, destination, zone 1..lb. .17 - —
10 dms., same basis....lb. .17¾- —
1-9 dms., same basis..lb. .19¼- —
C, net-ret. dms., c.l., f.o.b. cars, destination, zone 1. lb. .16 - —
10 dms., same basis....lb. .16¾- —
1-9 dms., same basis...lb. .18¼- —

G

G, resin, dms., net weight, works. lb. .09½- —
Geon polyvinyl resins, Nos. 101 and 102, 30,000 lbs., works. lb. .33 - —
5,000 to 29,999 lbs., works.lb. .34 - —
200 to 4,999 lbs., works...lb. .36 - —
up to 199 lbs., works.....lb. .50 - —
202, 30,000 lbs., works.....lb. .36 - —
5,000 to 29,000 lbs., works.lb. .37 - —
200 to 4,999 lbs., works..lb. .39 - —
up to 199 lbs., works.....lb. .56 - —
203, 30,000 lbs., works.....lb. .38 - —
5,000 to 29,000 lbs., works.lb. .39 - —
200 to 4,999 lbs., works..lb. .41 - —
up to 199 lbs., works.....lb. .58 - —
203 30,000 lbs., works.....lb. .42 - —
5,000 to 29,999 lbs.....lb. .43 - —
200 to 4,999 lbs.....lb. .45 - —
up to 199 lbs.....lb. .60 - —
Guai-a-phene, non-ret. dms., dms. incl., works, 50-55 gals. gal. 2.50 - —
10 gals., two fives, per case, works..gal. 2.57 - —
5 gals., one can per case, works..gal. 2.62 - —
6 gals., six ones in single case, works..gal. 2.72 - —
1 gal., in single carton, works..gal. 2.82 - —

H

Hercolyn (see methyl abietate hydrogenated) in Current Market Quotations.
Hydrogum, P-190, dms., c.l...lb. .14½- —
l.c.l.....lb. .15 - .15¼

J

Jesits (see zinc-iron oxide pigment in regular list above).

K

Koresin, f.o.b. works, one ton or more, dms..lb. .40 - —
single drum.....lb. .42 - —
less than one drum.....lb. .52 - —

L

Lewisol resin, 28, non-returnable light-gauge steel dms., c.l., f.o.b. cars, destination, zone 1..lb. .29 - —
l.c.l., 10 dms., same basis. lb. .29½- —
1-9 dms., same basis..lb. .30 - —
33, c.l., same basis.....lb. .29 - —
l.c.l., 10 dms., same basis. lb. .29½- —
1-9 dms., same basis...lb. .30 - —
Lewisol resin prices are f.o.b. cars, New Eng. and Middle Atlantic States, Va., W.Va., N.C., Ky., O., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo. Prices are dms. included, not returnable; net 30 days.

M

Metronite pigment, 120 and 180 mesh, containers included, c.l., f.o.b. Milwaukee..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
250 mesh, containers included, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
325 mesh, containers included, c.l., same basis..ton.20.00 - —
l.c.l., same basis.....ton.26.00 - —
400 mesh, containers included, c.l., same basis ton.27.50 - —
l.c.l., same basis.....ton.38.00 - —

N

Neo-fat drying oil, 170, dms., c.l., divd..lb. .34 - —
190, dms., c.l., divd.....lb. .36 - —
290, dms., c.l., divd.....lb. .38 - —
fatty acid, 3R, dms., c.l., divd. lb. .30¾- —
17, dms., c.l., divd.....lb. .27 - —
19, dms., c.l., divd.....lb. .29 - —
Neo-fat prices are 1c. per lb. higher in all States west of the Rocky Mountains, and ½c. per lb. higher in Texas and Oklahoma. Drums are included and not returnable.
Nevillac, pale, hard, color 1-2, melting point 85-95°C., drums, works..lb. .19 - —
hard, color 2-½-4, melting point 85-95° C., same basis..lb. .17 - —
soft, color 2-½-4, melting point 65-70° C., same basis..lb. .17 - —
10 C, color ½-4, same basis..lb. .24 - —
LX-483, same basis.....lb. .23 - —
OA, same basis.....lb. .45 - —
RP, same basis.....lb. .25 - —
TS, same basis.....lb. .45 - —
RT, same basis.....lb. .31 - —
RX, same basis.....lb. .31 - —
Neville, resin,[6] R-1 nevindene, color ½, dms., works..lb. .14½- —
R-3, nevindene, color 1, dms., works..lb. .13½- —
R-5, nevindene, color 1½-2, dms., works..lb. .12½- —
R-6, nevindene, color 2½-3½, dms., works..lb. .11½- —
R-7, N.P.S., color below 3, dms., works..lb. .14 - —
R-9, hard, color ½, dms., works..lb. .14 - —
Neville resin, R-10, hard, color 1, dms. works..lb. .13 - —
R-11, hard, color 1½-2, dms., works..lb. .12 - —
R-12, hard, color 2½-3½, dms., works..lb. .11 - —
Neville resin, R-13, medium, color ½, dms., works..lb. .14 - —
R-14, medium, color 1, dms., works..lb. .13 - —
R-15, medium, color 1½-2, dms., works..lb. .12 - —
R-16, medium, color 2½-4, dms., works..lb. .11 - —
R-17, medium, soft, color 3½-8, dms., works..lb. .11 - —
R-19, medium, soft, color 3½-8, dms., works..lb. .11 - —
R-21, soft, color 3½-8, dms., works..lb. .11 - —
R-22, special, soft, color 3½-8, dms., works..lb. .11 - —
R-29, medium, soft, color 2½-8, dms., works..lb. .11 - —
465, 110-125°C., dms., gross weight, Pittsburgh..lb. .04½- —
Neville resin prices, except 465 resin, are freight equalized with Phila. Less than full drum shipments are 5c. per pound additional, f.o.b. Neville Island, Pa.
Nevilloid, C-55 emulsion, ret. dms., works..lb. .12 - —
C-10 emulsion, ret. dms., works. lb. .1125- —
Nextex, 10, returnable dms., works..lb. .08½- —

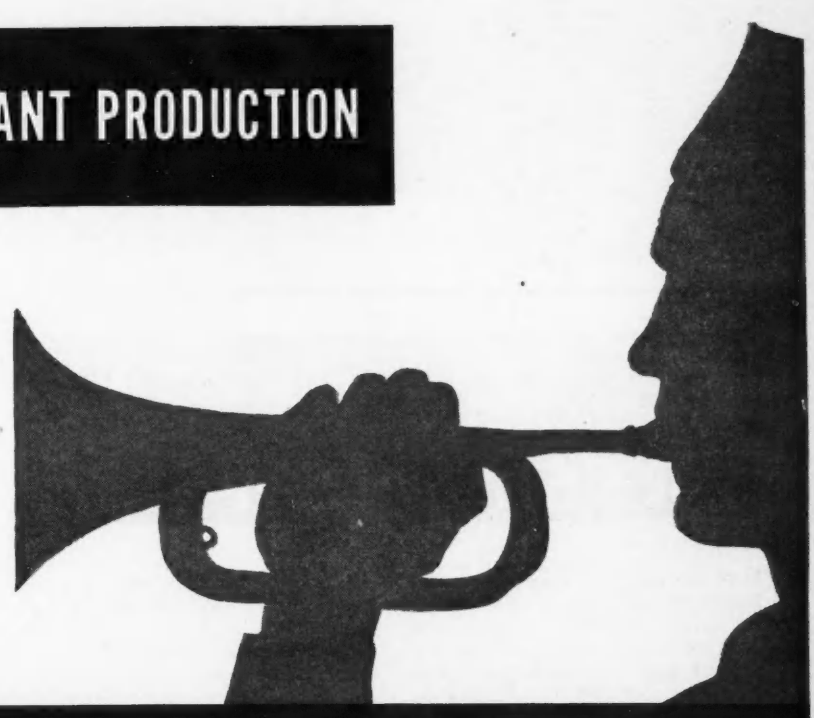
WORLD'S LARGEST PRODUCER OF SYNTHETIC RESINS

RCI

WAKE UP DORMANT PRODUCTION

with this brand new RCI "First"

No. 5412



REVEILLE RED TONER

RCI comes to the aid of formulators hard-pressed by shortages with another top-quality replacement—a new organic red toner which is not only an adequate substitute for Red Lake C Toner in properties and results, but is also lower in cost. Used in inks it will effect a substantial saving. Used in paint or lacquer it assures good light-fastness, with only a slight bleed. While production is stepping up, quantities at present are limited, so write at once to the Sales Department at 105 Bedford Ave., Brooklyn 11, New York, for additional information on properties and a sample for your own tests.

CHEMICAL COLOR DIVISION

REICHHOLD CHEMICALS, INC.

General Offices and Main Plant, Detroit 20, Michigan

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CHEMICAL COLORS • SYNTHETIC RESINS • PHENOLIC PLASTICS • INDUSTRIAL CHEMICALS

Nuba, No. 1, 80-90° C., dms., gross weight, works..lb.	.03½-	—
No. 2, 100-125° C., dms., gross weight, works..lb.	.03½-	—
No. 3-X, 135-150° C., dms., gross weight, works..lb.	.05 -	—
Calcium, 5%, 400-lb. pkgs..lb.	.25½-	—
100-lb. pkgs.....lb.	.26½-	—
Iron, 6%, 400-lb. pkgs.....lb.	.16½-	—
100-lb. pkgs.....lb.	.17½-	—
Lead, 24%, 450-lb. pkgs...lb.	.16 -	—
100-lb. pkgs.....lb.	.17 -	—
37%, 500-lb. pkgs.....lb.	.24 -	—
100-lb. pkgs.....lb.	.25 -	—
Manganese, 6%, 400-lb. pkgs. lb.	.17¾-	—
100-lb. pkgs.....lb.	.18¾-	—
Zinc, 8%, 400-lb. pkgs.....lb.	.17¾-	—
100-lb. pkgs.....lb.	.18¾-	—

All prices are dlvd. to customer's plant everywhere in continental U.S.A.

P

Paradene, No. 1, 75-90° C., color 12-16, dms., gross wt., works, lb.	.05½-	—
2, 100-125° C., color 12-16, dms., gross wt., works..lb.	.05½-	—
3, 125-140° C., dms., gross wt. works..lb.	.06 -	—
32, 34, color 10-15, dms., works, lb.	.06½-	—
35, color 10-15, dms., works, gross wt..lb.	.06 -	—
Paradene prices are freight equalized with Philadelphia, Pa.		
Paranol resin, extra hard, 25, l.c.l., dlvd..lb.	.25 -	—
30, l.c.l., dlvd.....lb.	.24 -	—
54, l.c.l., dlvd.....lb.	.28 -	—
1639, l.c.l., dlvd.....lb.	.27 -	—
1750, l.c.l., dlvd.....lb.	.26 -	—
1855, l.c.l., dlvd.....lb.	.25 -	—
Parazenes, 5 solid resins, c.l. and l.c.l., dlvd..lb.	.13 -	—
4084 solutions (50% in mineral spirits), c.l., dlvd..lb.	.11 -	—
l.c.l. .....lb.	.11½-	—
Pentalyn A, non-ret. dms., f.o.b. cars, destination, zone 1. lb.	.18½-	—
10 dms., same basis....lb.	.19 -	—
1-9 dms., same basis....lb.	.19½-	—
G, non-ret. dms., f.o.b. cars destination, zone 1..lb.	.19¾-	—
10 dms., same basis....lb.	.20¼-	—
1-9 dms., same basis....lb.	.20¾-	—
M, non-ret. dms., c.l., f.o.b. cars, destination. zone 1. lb.	.21½-	—
10 dms., same basis.....lb.	.22 -	—
1-9 dms., same basis.....lb.	.23 -	—
M-802A, non-ret. dms., c.l., f.o.b. cars, destination, zone 1..lb.	.21½-	—
10 dms., same basis.....lb.	.22 -	—
1-9 dms., same basis.....lb.	.22½-	—
X, non-ret. dms., c.l., f.o.b. cars, destination, zone 1. lb.	.21½-	—
10 dms., same basis.....lb.	.22 -	—
1-9 dms., same basis.....lb.	.22½-	—
P.H.O., dms., works.....lb.	.24 -	—
Piccolastic, A-L, A-5, A-25, A-50, B-50, C-5, C-25, C-50, E-50 types, c.l., Clairton, Pa..lb.	.20 -	—
l.c.l., same basis.....lb.	.20½-	—

The above types are sold in heavy gauge steel drums, weighing approximately 52 lbs. each. Drums extra at $1.25 each, and non-returnable.

A-75, B-75, B-100, C-75, C-100, C-125, D-75, D-100, D-125, D-150, E-75, E-100, E-125 types, c.l., Clairton, Pa. lb.	.20 -	—
l.c.l., same basis.....lb.	.20½-	—

The above types are sold on a net weight basis, in light gauge steel drums weighing approximately 15 lbs. each, drums included.

FT, TX, FHF types, c.l., Clairton, Pa..lb.	.12½-	—
l.c.l., same basis.....lb.	.13 -	—

The above types are in heavy gauge steel drums, weighing approximately 52 lbs. each. Drums extra at $1.25 each, and non-returnable.

Piccolyte resins, S-10, S-25, S-40, dms., net. wt., f.o.b. Clairton, Pa., c.l..lb.	.25 -	—
l.c.l. .....lb.	.25½-	—
S-55, S-70, same basis, c.l.lb.	.26 -	—
l.c.l. .....lb.	.26½-	—
S-35, S-100, same basis, c.l.lb.	.27 -	—
l.c.l. .....lb.	.27½-	—
S-115, same basis, c.l.....lb.	.28 -	—
l.c.l. .....lb.	.28½-	—
Piccoumaron resins, 420, 420-S, dms., net wt., f.o.b. Clairton, Pa., frt. equald..lb.	.09½-	—
420-T, gross wt.....lb.	.07½-	—
422-R, 423-R, 425-R, 427-R. dms., net. wt., same basis. lb.	.11 -	—
430, 435, bulk, gross wt., same basis..lb.	.05½-	—
440-T, same basis.....lb.	.07 -	—
450, 450-H and 450-S, same basis..lb.	.10½-	—
450-EH, same basis.....lb.	.10½-	—
460-T, same basis.....lb.	.07 -	—
XX-25, XX-40, bulk, net. wt., same basis..lb.	.06½-	—
XX-55, dms., gross wt., same basis..lb.	.06 -	—
XX-70, 2X-100, same basis. lb.	.05½-	—
XX-115, same basis.....lb.	.06 -	—
T-115, same basis.....lb.	.08 -	—
60%, 420-ES Sol., non-ret. dms., c.l..lb.	.08 -	—
Pliolite, S-5, milled resin, 200-lb. dms., works..lb.	.60 -	—
Polypale, ester, No. 10, non-ret. dms., c.l., dlvd..lb.	.23 -	—
10 dms., same basis....lb.	.23½-	—
1-9 dms., same basis...lb.	.23½-	—

R

Resinous oil, No. XI, returnable dms., works..lb.	.0160-	—

S

Saran F-120 resin, c.l., works.. lb.	.57 -	—
l.c.l., same basis.....lb.	.59 -	—
F-122 latex, approx. 56% solids contained, wood bbls. (55 gals.), c.l., works..lb.	.40 -	—
l.c.l., same basis.....lb.	.44 -	—
10-gal. bbls., same basis.. lb.	.50 -	—
Silene (see Calcium silicate hydrated under C in Current Market Quotations).		
Staybelite ester, No. 10, non-ret. dms., f.o.b. cars, c.l., destination, zone 1..lb.	.25 -	—
10 dms., same basis.....lb.	.25¼-	—
1 dm., same basis.....lb.	.25½-	—
Syntex resins (no prices at this time).		

U

U formite (no prices at this time).

V

Vanadiset resins, grade A, 285-300° F. m.p., whse..lb.	.0165-	.035
H, 245-255° F. m.p., whse.lb.	.0250-	.050
C, 315-340° F. m.p., whse.lb.	.0165-	.035
D, 170-180° F. m.p., whse.lb.	.0165-	.035
F, 225-235° F. m.p., whse.lb.	.0225-	.050
MR, 260-270° F. m.p., whse. lb.	.014 -	.030
pulverized, whse.....lb.	.0650-	.210
solution, whse.....lb.	.4000-	.650
Velsicol, resins, AD-6-3, dms., c.l., f.o.b. works..lb.	.11⅞-	—
1-9 dms., works.....lb.	.12⅞-	—
Solutions, AD-660, tankcars, works..lb.	.08 -	—
dms., c.l., works.....lb.	.09¼-	—
l.c.l., works.....lb.	.09⅝-	—
AD670, tankcars, works....lb.	.09 -	—
dms., c.l., works.....lb.	.10¼-	—
l.c.l., works.....lb.	.10⅝-	—
AB-400, tankcars, works...lb.	.06¼-	—
dms., c.l., works.....lb.	.07¼-	—
l.c.l., works.....lb.	.07⅝-	—
Solvents, No. 1, tankcars, works..gal.	.10 -	—
dms., l.c.l., works.....gal.	.22 -	—
No. 1-A, tankcars, works..gal.	.17 -	—
dms., l.c.l., works.....gal.	.23 -	—
No. 2A, tankcars, works..gal.	.20 -	—
dms., c.l., works.....gal.	.26 -	—
AB11-4, dms., c.l., works..lb.	.08¾-	—
l.c.l., works.....lb.	.09 -	—
AR-53A, f.o.b. works, tankcars..lb.	.25 -	—
c.l. .....lb.	.31 -	—
l.c.l. .....lb.	.32 -	—
AR-53-B, f.o.b. works, tankcars..lb.	.24 -	—
c.l. .....lb.	.30 -	—
l.c.l. .....lb.	.31 -	—
Cost of drums, $3 extra remaining customer's property.		
Vinylseal, modified, vinyl acetate resin, 24.5% by weight, solution in toluene, T-24-9, non-ret. dms., 20-dm. lots, same basis..gal.	2.00 -	—
drum lots, same basis....gal.	2.25 -	—
less than drum lots, same basis..gal.	2.50 -	—
28% by weight, solution in 32% methyl acetate, MA 26-18, 20-drum lots, same basis..gal.	2.15 -	—
drum lots, same basis..gal.	2.40 -	—
less drum lots.....gal.	2.65 -	—
All "Vinylseal" containers except 5-gal. cbys. non-returnable.		

Freight allowed to destinations in New England, Middle Atlantic States, Va., N.C., S.C., W. Va., O., Ky., Tenn., Ind., Ill., Mich., Wis., Ia., Mo. and Minneapolis, St. Paul, and Duluth, Minn. For shipments to all other points in U.S., add ½c. per lb. to c.l. and ¾c. to l.c.l. prices.

Vinyl chloride-acetate, VYLF, VYHH, VYNW, VYNU, VYNV, VYNY, VYNL, powdered, c.l. (30,000 lbs.), paper bgs, f.o.b. cars, South Charleston, W. Va..lb.	.33 -	—
10,000 to 29,999 lbs., same basis..lb.	.34 -	—
200 to 9,999 lbs., same basis. lb.	.35 -	—
1 to 199 lbs., same basis..lb.	.51 -	—
VYNS, c.l. (30,000 lbs.), paper bgs., same basis..lb.	.44 -	—
10,000 to 29,999 lbs., same basis..lb.	.45 -	—
200 to 9,999 lbs., same basis. lb.	.46 -	—
1 to 199 lbs., same basis..lb.	.62 -	—
VYCM, powd., c.l., 30,000 lbs., paper bgs., f.o.b. cars South Charleston, W. Va. lb.	.38 -	—
10,000-29,999 lbs., same basis..lb.	.39 -	—
200-9,999 lbs., same basis. lb.	.40 -	—
1-199 lbs., same basis.lb.	.56 -	—
VMCH, c.l. (30,000 lbs.), same basis..lb.	.39 -	—
10,000 to 29,999 lbs., same basis..lb.	.40 -	—
200 to 9,999 lbs., same basis. lb.	.41 -	—
1 to 199 lbs., same basis..lb.	.57 -	—
modified, acetate resins, AYAB, lumps (in fiber drums at option of seller); AYAA, AYAF, AYAT, granular (in paper bags only), f.o.b. cars South Charleston, W. Va., freight paid to destination E. of Mississippi River, c.l. (30,000 lbs.)..lb.	.40 -	—
AYAB, AYAA, AYAF, AYAT, 2,000 to 29,999 lbs., same basis..lb.	.43 -	—
200 to 1,999 lbs., same basis. lb.	.45 -	—
1 to 199 lbs., same basis.lb.	.60 -	—
chloride resins, AYAC, gran., fiber drms. at option of seller, c.l. (30,000 lbs.), f.o.b. cars, South Charleston, W. Va..lb.	.43 -	—
2,000-29,999 lbs., same basis..lb.	.45 -	—
200-1,999 lbs., same basis. lb.	.47 -	—
1-199 lbs., same basis..lb.	.62 -	—
QYNA, pwd., c.l. (30,000 lbs.), same basis..lb.	.33 -	—
10,000 to 29,999 lbs., same basis..lb.	.34 -	—
200 to 9,999 lbs., same basis. lb.	.35 -	—
1 to 199 lbs., same basis..lb.	.51 -	—
butyral resins, XYHL, XYHM, XYNC, granular, 96 to 97% solids, prices based on contained solids (in paper bags at option of sellers), 30,000 lbs., f.o.b. cars South Charleston, W. Va., c.l...lb.	.62 -	—
10,000 to 29,999 lbs., same basis..lb.	.83 -	—
200 to 9,999 lbs., same basis. lb.	.84 -	—
1 to 199 lbs., same basis.lb.	1.00 -	—

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Durez 219

Terpene phenolic. Promotes hardness and fast dry. Has excellent solubility properties. For example, a non-penetrating flat wall paint liquid can be made with Durez 219 Resin and dehydrated castor oil or other oil using a high percentage of lime as shown in formula V-51115. This formulation produces extremely high viscosity at low solids.

A typical flat paint made with a vehicle of this type is F-51116. The paint is stable in the package, applies well, and has good hiding. It does not penetrate when applied to porous surfaces.

Durez 220

Terpene phenolic. Aids in producing fast drying, hard, abrasion-resistant architectural finishes with good durability.

Its many properties adapt it for use in a wide range of oleoresinous coatings, both air-drying and baking, and with the use of either hard- or soft-drying oils. Its high melting point gives finishes which set and dry rapidly and which acquire hardness and toughness in minimum time. Its pale color gives light-colored varnishes and enamel liquids which have excellent retention of color on drying and aging. Its complete solubility in oils and thinners give varnishes which are clear, free from seeds, and which dry smooth and glossy. Properly cooked varnishes remain stable on storage and do not produce a precipitate or sludge. Also, no "trick" cooking procedure is necessary, as the resin is completely soluble in drying oils at its melting point. Aged films of varnishes show no excessive embrittlement, as oxidation of the resin is negligible.

The low acidity of Durez 220 Resin enables the production of varnishes which body rapidly in the kettle and which have good viscosity. Compatibility with basic reactive pigments can be secured by proper treatment of the oil.

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DUREZ
RESINS THAT FIT THE JOB

Nitrogen Situation

—Continued from page 3

for export to Germany and Japan. It is reported by producers that the program is not working out as they expected and that they are being called upon to ship more for export than they anticipated.

According to information supplied the council by the Civilian Production Administration the producers are not being asked to supply more nitrogen than was estimated earlier, and that every effort is being made to avoid the disruption of normal conditions as much as possible. A review of the program, prepared by CPA, states in part as follows:—

"For the fertilizer year 1945-46 the United States was allocated for export approximately 73,000 short tons of nitrogen, as ammonium nitrate principally, some ammonium sulphate and some smaller quantities of other nitrogenous materials. For the fertilizer year 1946-47 the allocation for export approximated 97,000 short tons N. This quantity was reduced to about 67,000 short tons N recently owing to losses in production of other solid forms of nitrogen fertilizer materials, with the result that this year, when in effect we will have more nitrogen available, we will have less to ship abroad.

"The increase in nitrogen is in liquid forms, which cannot be shipped to, or used by other than domestic users to any extent, and which can be used by some domestic users only partly as a substitute for solid nitrogen products and by others not at all. It should be realized that imports for 1946-47 will be about 200,000 tons N, compared with our reduced export program of 67,000 tons.

"The Army program for providing nitrogen fertilizer materials for occupied areas will have no net effect on the quantity of nitrogen available domestically. It has disturbed the seasonal character of the fertilizer industry because, although the Army is to produce all of the nitrogen needed for their own use, the program could not be put into operation soon enough to be of value this year in foreign lands.

"Nitrogen in the form of solid ammonium nitrate has been furnished from private United States producers and Canadian imports to the Army during the last half of 1946 and in kind, ton for ton, it is to be returned by the Army during the first four months of 1947. There have been and still are obstacles to overcome, as is the condition in all activities during this reconversion period, and the coal strike may interfere, but the program is as stated above.

"There are available from domestic production and imports from Canada about 50,000 tons per month of fertilizer grade ammonium nitrate. During August, September and October 33,000 tons per month, or a total of 99,000 tons of this material, were designated as available for the Army. This quantity was proportioned on a percentage basis to domestic producers according to their capacity to produce, and to Canadian sources according to the relative size of commitments to the United States.

Owing to the the maritime strike, and time consumed in arranging contracts, this quantity of 99,000 tons was not shipped by the end of October to the extent of about 22,300 tons. It was not considered practical to levy another 33,000 tons on the November resources, and accordingly the tonnage for the Army was set at 10,700 tons in November.

"It was intended that the private sources of ammonium nitrate would still have to ship 33,000 tons, a limit set by the Department of Agriculture for any one month, and the total for the four months would be 109,700 tons. It is not expected that any additional tonnage will be needed by the Army.

"The Army program is to return these 109,700 tons during the first four months of 1947 to the parties which furnished the material on such a basis that no less or additional profit will be derived to the private interest.

"Ammonium nitrate was selected as the material for this program because it is the material which the Army can produce and return. Also, of the solid fertilizer materials available in any quantity, ammonium nitrate contains the highest percentage of nitrogen, thereby requiring fewer bags, less handling, and less shipping space."

Obituaries

Dr. L.V. Redman

Dr. Lawrence V. Redman, one of the early contributors to the development of synthetic, resinous plastics, died November 25, while visiting in

Dr. L. V. Redman

Toronto, Ont. He was sixty-six years old.

Dr. Redman was a native of Ontario and spent the first thirty years of his life in that Province and British Columbia. He was a graduate of the University of Toronto and also took a post-graduate course there. He was later the recipient of an honorary Ph.D. degree from the university. In 1910, he went to Lawrence, Kans., where he was one of the original fellows of Duncan's Institute of Research, the predecessor of Mellon Institute. He was on the teaching faculty of the University of Kansas until 1914.

Pursuant to his invention of a phenol-condensation resin, Dr. Redman engaged in its production and was the president of the Redmanol Chemical Products Company, Chicago, established in 1914. He continued in that office when the company became affiliated with the Bakelite Corporation in 1922, at which time he also became vice-president of the latter corporation in charge of research. His work in the economics of research got him the Grasselli Medal of the American Section, Society of Chemical Industry, in 1931.

Dr. Redman was chairman of the S.C.I. section in 1927. He was president of the American Chemical Society in 1932, having served previously as chairman of its Chicago and Northern New Jersey sections. He was president of the Chemists' Club, New York, in 1930.

Always interested avocationally in agriculture, especially the growing of flowers and fruits, Dr. Redman, when he retired several years ago, located on a farm near Burlington, Vt. His daughter, Alice B., and his son, Lawrence T., survive him.

Frank Cross

Frank Cross, secretary - treasurer and a director of the Sun Oil Company, Philadelphia, died in that city November 25 after a month's illness. He was seventy-six years old. His death came shortly before the burial of J. Edgar Pew, vice-president of the company, who died November 22.

Mr. Cross, who started with the company in 1898, was named secretary and a director in 1901 and treasurer three years later.

Dr. N.E. Goldthwaite

Dr. Nellie E. Goldthwaite, food chemist, educator, and researcher, died November 25 at her home in South Hadley, Mass. She was eighty-three years of age.

Dr. Goldthwaite, best known for her basic work in the use of pectin in jelly-making, also did research in the principles of bread making and in the chemical composition of Colorado potatoes.

An emeritus fellow of the American Association for the Advancement of Science, and a member of the American Chemical Society, Dr. Goldthwaite was one of the first women to hold a research associate appointment at the Rockefeller Institute in New York.

Robert E. Lyons

Robert E. Lyons, head of the chemistry department at the University of Indiana for forty-three years, died in Bloomington, Ind., November 25, of a heart attack. He was seventy-six years old. Dr. Lyons, who was named head of the department at the age of twenty-five, was appointed professor emeritus in 1938. He was inventor of the Lyons method of extracting metal from ore.

J. Edgar Pew

J. Edgar Pew, vice-president of the Sun Oil Company, Philadelphia, in charge of production and crude oil pipelines, died in Villanova, Pa., November 22, after an illness of ten months. He was seventy-six years old.

Mr. Pew joined Sun Oil in 1896 at Toledo, Ohio, and five years later was sent to Texas in connection with the discovery of the Spindletop oil field. From then on he concerned himself primarily with production and pipeline transportation.

Leaving Sun Oil in 1913, Mr. Pew became an independent producer at Tulsa, Okla., and later was associated with Carter Oil Company as vice-president and western manager until 1919, when he returned to Sun as president of the subsidiary Sun Pipeline Company of Texas.

Only two weeks ago Mr. Pew was reelected a director of the American Petroleum Institute. He was the first recipient, in 1936, of the Anthony F. Lucas Gold Medal for distinguished service to the petroleum industry, presented by the American Institute of Mining and Metallurgical Engineers.

Dr. George W. McFatrich, of the Murine Company, died recently in Chicago after an illness of two weeks. He was seventy-six years old.

Arthur W. Tarbell, dean emeritus of Carnegie Institute of Technology, Pittsburgh, died November 26 in Chatham, Mass. He was seventy-four years of age.

Plastic Materials Glossary Offered

A self-contained Glossary of Chemical Names, Terms and Phrases, used in the plastic and rubber industries, and published by B. F. Goodrich Chemical Company, Cleveland, Ohio, is now available upon request to the company. The glossary is extremely valuable to plastic material manufacturers, fabricators and designers.

IG World-Trade Role In Chemicals Surveyed

How the IG Farbenindustrie, by means of cartels, financial integration, patent pools, and highly developed competitive practices, took over a dominant position in the chemical trade of the world has been sought out in two wholly independent surveys, on which reports are about to be made.

One of these surveys is the work of George W. Stocking and Myron W. Watkins, carried on under the sponsorship of the Twentieth Century Fund. This survey went into all sorts of details in connection with IG activities from 1925 on in a total of eight major industrial lines. The report of the findings will be issued shortly.

The other survey, covering in part the same ground but reputedly emphasizing the political aspects somewhat heavier, is a cumulative project started some forty years ago by Howard W. Ambruster, a chemical engineer. The results of this study will be published as a book, Treason's Peace, in January.

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Volume 150 December 2, 1946 Number 23

Management Must Lead

Two presidents of companies in the field of chemicals and related materials recently have spoken wise truths on the subject of unsatisfactory employment relations. Both, quite logically, attribute the recurrence of strife to the ambitions of labor leaders. But, both also do more than imply that management must have the larger part in the remedying of that condition.

Two sentences from the proposals of one of these executives are most instructive. He says:—

Avenues must be opened to encourage the election of union officers who are labor statesmen first and labor politicians second, rather than the reverse.

It would be of the utmost importance that . . . management once again contribute in leadership to the solution of workers' personal problems, without paternalism but with imagination and foresight.

The other executive takes a baldly realistic view of the causes of employment disruptions. Out of more than average experience in the matter, he says:—

If there were real injustices or if there were any misunderstandings, which the labor unions were called upon to fight or to clarify, the labor union would have sympathetic backing; but, the injustices and the misunderstandings are 90 percent manufactured by labor leaders. The $1.50 per month per person and the power that goes with the money which is paid into the treasury have more to do with the strikes than the injustice of some company against its employees. Sooner or later the American people will realize the racket union labor has turned out to be.

More power to the labor union which can, first, protect its personnel, and, secondly, work for their employers in order to make the most possible efficient team of labor and management.

And when there is added to those comments a few words from an address last week by another industrial executive, a chairman of a board, the idea of whence enlightened, really progressive leadership for labor must come is fully developed. Said the third executive:—

If an employee is worth an investment in money, he is worth an investment in time and consideration.

Unions are here to stay. It is up to management to develop ways and means of working with unions. Both must learn to sit around the table and iron out their difficulties.

So, if only the Wagner act were emended, management could do its part—and would.

About the Nitrogen Problem

The fertilizer industry is endeavoring, in conferences with government officials, to learn where it stands in the matter of the ammonium nitrate loaned to the government for various purposes in connection with extraterritorial commitments and activities. This material was to be repaid out of production at reactivated army ordnance plants which were expected to be operating at substantial volume by the first of the year. It now appears that the ordnance-plant nitrate will be needed by the government over some three or four months in further connection with its obligations with respect to that material in its rather vague role of savior of the world.

The fertilizer industry's undertaking is a difficult one. Nobody knows all the answers in what it seeks to learn. Nobody can know all the answers—there are too many variable or unknown contributory factors, politically, commercially, and socially economic.

The extent to which reactivating of the nitrate-producing ordnance plants will have progressed by any given time cannot accurately be forecast. The volume and continuity of their production likewise are a matter of fact, not prophecy. The possibilities of revision in governmental foreign affairs is never remote. And the nitrogen needs of the fertilizer industry cannot definitely be predetermined—no small part of the recently and currently heavy buying of fertilizers, insecticides, and other agricultural chemicals by farmers reflects, not increased application, but a purpose on the part of the well-remunerated agriculturist to reduce his taxable income for 1946.

OPD Forum

Outlet for Individual Opinion

(Anonymous communications will not be recognized, but a signer's name will be withheld at request.)

Export-Control Muddle

The Editor,
Oil, Paint and Drug Reporter.
Sir:—

We want to register our protest at the new restrictions on export trade as outlined in Current Export Bulletin No. 380, dated November 25, 1946, and issued by the Office of International Trade, United States Department of Commerce.

This ukase, issued in the best New Deal traditions, places the general exporter at the mercy of any crackpot bureaucrat in Washington. The authority behind it is based on wartime emergency powers for which there is no justification at this time. It is a throwback to the silly, inconsistent regulations that were issued during the war, and is a direct challenge by this agency for any veteran who wants to enter the export business.

The department issuing this order seems utterly incapable of understanding the difference in the export world between a manufacturer whose output consists only of one or several products and a general exporter, who may ship any one of 10,000 commodities, sometimes shipping a single commodity many times and sometimes only once in a business lifetime. The writer has repeatedly called this condition to the attention of the department, but to do avail.

This new regulation lists thirty-four items added immediately to the group requiring consolidated licenses when destined to "K" countries (allied or friendly neutral countries), which, it is explained, requires a "single license application quarterly covering all proposed exportations of each commodity to a specific group K country." And to quote further:—"It will be necessary . . . to have firm orders covered by each application."

In other words, we cannot ship any of these materials to any of the group K countries during the first three months of 1947, unless we have firm orders for each shipment in hand before December 16. Presumably orders coming in after December 16 cannot be shipped until an application is granted for the second quarter—April, May, June.

How our British competitors must enjoy this stupid order!

In this bulletin No. 380, section E, paragraph 2, reads as follows:—"... applicants need not answer items 5, 7 (a) and (b), 10, 11, 12, and 13 in form 419."

In this Bulletin No. 380, section E, paragraph 3, reads as follows:—"... and each application must contain as much detailed information as an individual license application."

It looks like even the man who wrote this order didn't agree with himself.

Section C reads in part:—"If additional firm orders are received for which export authorization is desired during the same calendar quarter one or more additional applications may be filed. . . ."

Section E, paragraph 4, states in part:—". . . applications for individual licenses to export these commodities to group K which are received after that date [presumably December 16, 1946] will not be processed, but will be returned without action to the applicant."

We are just human beings and are supposed to understand what these contradictions mean.

Now here comes the blowoff!

This department takes it upon itself who may and who may not export any of these thirty-four commodities based on statements made up and presented by the exporter showing all of his exports of these commodities to each of the "K" countries involved during the years 1939, 1940, and 1941, or for any other three-year period.

Goodbye Mr. Veteran!

Goodbye Mr. General Exporter!!

Goodbye Any Good American Citizen who is thus barred from what used to be free competition!!!

Election Day, 1946, seems to have made little impression on the bureaucrats. Fortunately, it won't be long now—but they can do a lot of damage in the meantime; much to the material advantage of our foreign competitors.

New York. J. Early Wood.

Washington Talks It Over

—Continued from page 5

potash allocation program. The experience of suppliers when allocation of potash was ended for a while in the past was that they did not find buyers as ready to accept deliveries as when the product was under allocation.

Export Prices Wide Open

The Office of International Trade isn't interested any more in the prices charged by exporters for the commodities they ship out of the country. Now that the government has lifted price controls from all commodities except rice and sugar, OIT says it is no longer necessary for exporters to include price information in applications for export licenses.

Effective immediately, therefore, when preparing and submitting export license applications (form IT-419), exporters can disregard questions 12 and 13 of the form regarding price information. Furthermore, where the price quoted on the export declaration at the time of shipment differs from that stated in answer to question 9 (d), "Total Selling Price," on the validated licenses, exporters are no longer required to make the certification accounting for the difference in the two prices.

Tariff Bargaining Aid

Members of the chemical industry planning to take part in the forthcoming hearings before the Committee for Reciprocity Information on the government's plans to negotiate new trade agreements with about eighteen countries next year will find that the Tariff Commission has a lot of information about the products involved in the negotiations that might be useful in the arguments before the commission.

The commission is now making a digest of this information and it can be obtained by writing to the secretary of the commission, Washington 25. These digests list the product and the country with which it will be the subject of negotiation, exports and imports during the years 1937, 1938, 1939, and 1943, the tariff history of the product, and a page or so of trade comment.

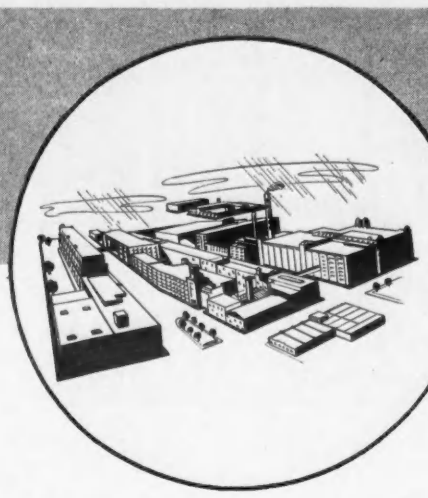
Digests of the products in the chemical schedule will be ready in about a week.

Farmers Income Problems

Experts in the Department of Agriculture are again talking about the need for broadening the market outlets for the products of the farm, because of the prospect that a slackening demand soon is going to cut into the farmers' cash income. Less stress seems to be laid on what would be the more important problem—lessening the cost of distribution so that the farmer will get a bigger share of the consumer dollar, or the consumer be able to buy more.

There are only three ways of increasing the cash incomes of the farmers:—(1) An increase in the amount of money income consumers have to spend; (2) an increase in the proportion of consumers' income spent for farm products; and (3) a decline in marketing charges. Too little attention has been paid to the latter, although this is one of the objectives of the new agricultural research law enacted last session.

Food marketing charges have remained relatively stable year after year. Although many savings in costs have been made, they have been partly offset by new and extended services. According to a breakdown of the consumer's dollar spent for all farm food products in 1939, retailing accounted for almost a fourth; processing, more than a fifth; and country assembly, less than 4 cents. Salaries and wages made up about half of the marketing costs. In September, the farmer was getting only about 53 cents of the consumer's dollar spent for food.



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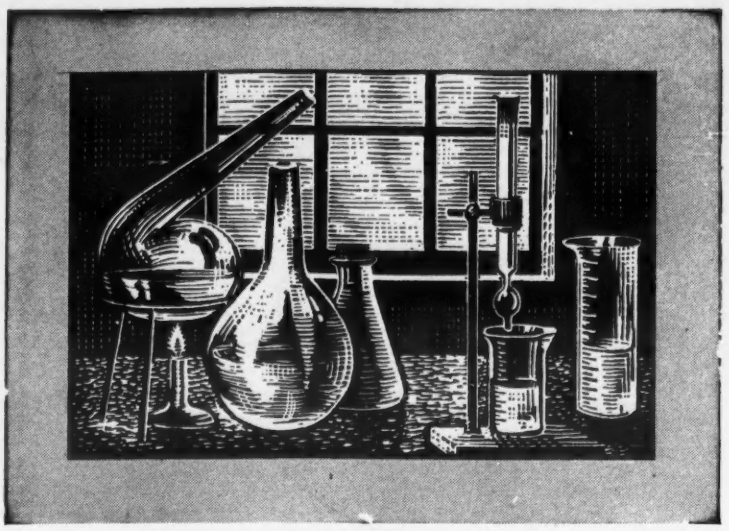

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Heavy Chemicals

Increased producing costs have crystalized in advanced chemical prices in several directions during the past week. The overall slant is definitely upward and a number of higher prices will become effective on January 1. As stated in our previous report, tribasic copper sulphate has come through with a further advance in price. Both acetate and nitrate of lead have responded to the increased cost of metal. Tin is now quoted at 70c. a pound, 18c. higher than the former OPA ceiling. In some producing quarters higher prices have been named for aqua ammonia and muriatic acid quotations have also been adjusted. White sal ammoniac is quoted higher for delivery in 1947. Sulphuric acid had the earmarks of advancing. Both carbonate and caustic potash are quoted higher for 1947 deliveries. Nickel sulphate has advanced with other nickel chemicals expected to follow in the wake of this major salt. The smaller copper chemicals showed a tendency to work to higher price levels. Processed sulphur has advanced moderately and crude sulphur for export is up $2.50 per long ton. There was no cadmium metal around but unconfirmed prices were heard considerably over the former $1.30 pound level.

Shortages of chemicals have not been eased while the soft coal strike has brought in an increased volume of additional inquiries from buyers who are making an effort to avoid an emergency. Railroad embargoes, the coal strike and other labor difficulties have cast a cloud over the present outlook and no one at present is in a position to determine what is going to happen in the chemical or any other industry.

Paper production as a percentage of six-day capacity was 106.6 in the week ending November 22, according to the American Paper and Pulp Association. This compares with 104.9 the previous week and 91.4 percent a year ago.

Production figures given below unless otherwise designated are from the Chemical Division of the United States Tariff Commission.

Acetic Anhydride—Production from ketone, acetylene, ethylene, and from acetic acid by the vapor phase process amounted to 41,209,257 pounds in September, compared with 39,954,493 pounds in August. Exports from January 1 through August amounted to 1,609,000 pounds, against 272,000 pounds for the corresponding period last year.

Ammonia Aqua — Prices covering contracts over 1947 were announced by a prominent producer last week. U.S.P. grade, 26 degrees in drums was offered at $3.25 per 100 pounds for carlots and at $3.50 per 100 pounds for l.c.l. Both prices are f.o.b. seller's works, Wyandotte, Michigan.

Ammonia Bicarbonate—Stocks not free although market has been kept fairly well in balance. Production has been just about able to meet demand.

Ammoniac Sal—Prices for 1947 shipment have been announced at $4.75 per 100 pounds for white granular in barrels, carlots, works. This price is 25c. per 100 pounds higher than the current figure. The l.c.l. price is 25c. per 100 pounds higher than the carlot price. No spot material was available. Consuming demand continued exceedingly heavy with the major inquiry coming from the battery trade. Battery sales for home and export are reported have expanded with no easement in sight.

Carbon Disulphide—Production was well sustained during the month of September. Total output amounted to 26,457,725 pounds, compared with 24,117,958 pounds in August. The September production was the largest for any month so far this year with the exception of January when the total registered 26,764,616 pounds.

Carbon Tetrachloride—Supplies remained short with the market definitely firm. Production was lower in September, the total aggregating 13,173,641 pounds, compared with 13,474,610 pounds in the preceding month.

Chlorine—Much tighter at the close than at the opening of the month. Production has been cutback by labor disturbances at one of the major producing plants thereby creating a greater shortage of material for shipment.

Copper—The government has terminated its public purchase program on foreign copper, effective immediately, the CPA announced. This action was effected through a CPA order directing the Office of Metals Reserve, Reconstruction Finance Corporation to terminate public purchase of copper from foreign sources subject to the fulfillment of commitments already made. Public purchase of copper has been discontinued because of the elimination of OPA price ceilings, CPA said. The current four cent tariff on copper will apply to private imports, it was pointed out. Copper imported by the Office of Metals Reserve has been entering the country duty free. CPA emphasized that the termination of foreign copper purchases does not indicate any easing in the present tight supply situation in copper. Industrial demand is running at a rate substantially in excess of an indicated annual supply (including scrap) of less than 1,000,000 tons. Prewar demand in prosperous years averaged around 800,00 tons annually. The 1946 copper purchase program was established at approximately 300,000 tons, of which some 180,000 tons have been received to date. However, the largest deficits between domestic supply and demand have been met principally by withdrawls from government stocks. These have been reduced from 500,000 tons at the beginning of 1946 to the current level of 160,000 tons. These stocks will continue to be allocated for the present by CPA to meet the urgent demands of industry.

Copper Sulphate—Establishment of higher prices has stimulated inquiry for copper sulphate both for agricultural and industrial uses. No additional price changes were recorded in crystals or monohydrated, but the tribasic variety has been advanced to cover the increase in metal costs. This grade is held at 20½c. per pound in 50 pound bags, carlots, to dealers and at 21c. in less than carlots. The dealers' price for six pound bags, 48 to the case, is 21½c. per pound for carlots and 22c. per pound for less, freight allowed East of the Rocky Mountains. The position of the general market is exceedingly firm backed up by the strong situation in copper metal.

Lead Acetate — Higher prices have been established for the different grades of this chemical, the net advance averaging 3½c. a pound. White sugar of lead is quoted on the basis of 16c. per pound for crystals. 16¾c. per pound for granular and 16¾c. per pound for powdered, all in barrels. Material in 100 pound kegs is 2c. per pound over above prices. Quotations are f.o.b. New York. The upward revision is a reflection of the higher cost of the metal and is the first price change recorded since May 11, 1942.

Lead Nitrate — An advance of 3c. per pound has been registered in this chemical. The market for single barrels is 15½c. per pound and the carlot price is 15¼c. per pound, either works or New York.

Manganese Carbonate — Production has been slowed down by the stringency in soda ash, and the supply position has tightened appreciably with deliveries reported somewhat behind schedule.

Manganese Chloride — Producers

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Copper sulphate, tribasic, 1c. per lb.
Lead acetate, 3½c. per lb.
Lead nitrate, 3c. per lb.
Nickel sulphate, 1c. per lb.
Sulphur, processed, 10c. to 25c. per 100 lbs.
Sulphur, crude for export, $2.50 per long ton.
Tin metal, 18c. per lb.

Prices Reduced

None

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
183.2	178.7	172.2	168.9

Acids

Last week.	Prev. week.	Last month.	Last year.
116.3	116.3	116.0	116.0

(For Current Prices see Page 9)

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have been able to maintain balance in this market. Stocks are not free but essential requirements during the past month were well leveled off.

Nickel Sulphate—Prices have been advanced one cent a pound for nickel sulphate in response mainly to the increased cost of the metal. Shipments are quoted at 14c. to 14½c. a pound, depending upon seller and quantity. The market appears to be working into a better supply position. Other nickel chemicals are slated for an advance as soon as selling schedules can be compiled.

Potash Carbonate—Higher prices are named for shipment over 1947. Contracts are now being written on the basis of $7.25 per 100 pounds for calcined and at $5.75 per 100 pounds for hydrated. Liquid in tankcars was held at $3.00 and at $3.25 per 100 pounds in drums. These prices are for carlots and large quantities. No improvement in the spot supply could be noted and it was reported that warehouse inventories are exceedingly low.

Potash Caustic—Contract prices for 1947 delivery are now being written at a higher level than those current in 1946. Carlots and large packages are quoted at $6.75 per 100 pounds for solid, $7.50 per 100 pounds for flakes, and $9.50 per 100 pounds for walnut. Liquid in tankcars is quoted at $3.12½ per 100 pounds and in drums at $3.37½ per 100 pounds.

Soda Ash—Contracts are being written by leading producers at the recent advance in prices for 1947 delivery. There are practically no stocks for prompt shipment as production is behind current contract schedules and the resale market appears about cleaned out.

Soda, Caustic—Consumers are placing contracts for 1947 delivery. The market is about bare of material for shipment over December although there was plenty of demand. Occasional resale stocks have commanded premiums from resellers, but these have usually been small and of odd-lot dimensions. Labor difficulties at one of the large electrolytic producing plants have added to the acute shortage now prevalent.

Sulphur—Processed sulphur prices have been advanced from 10c. to 25c. per 100 pounds. The new prices, for sales in bags, carlots, are as follows:—Flowers, $3.30 per 100 pounds; light refined flowers, $2.95; heavy refined flowers, $2.85; rolled sulphur, $2.65; refined lump, $2.45; virgin rock sulphur, $2.45, and commercial flower sulphur, $1.80. All prices are f.o.b. New York. Rubber compounding sulphurs in the Eastern territory have been advanced to $2.15 per 100 pounds for the commercial, 99½ percent pure, and to $2.60 for the refined, both delivered to consuming points in carloads. Crude sulphur for export has been advanced to $20 a long ton at Gulf and Atlantic ports. This is 2½c. above the former export selling figure.

Zirconium—More than 5,000 short tons of foreign and domestic zircon were shipped to consumers in the United States in the third quarter 1946, according to the Bureau of Mines. These third-quarter shipments were 19 percent greater than in the preceding quarter and some 21 percent below the peak fourth quarter 1944. A growing interest is being shown in the former German practice of adding up to 0.8 percent zirconium, in the form of fluozirconate salts or zirconium master alloys, to magnesium-base alloys to refine the grain and permit high-speed rolling. Domestic zircon production, all from two workings on Florida beach sands, has become an important source of supply. Imports in the third quarter recovered to some extent from the second quarter slump, chiefly as a result of increased Brazilian entries, which, however, may have been largely baddeleyite. Imports of zircon from Australia, for years the principal source of supply, continued to decline; and some doubt has been expressed regarding continuity of access to Australian zircon except on terms more favorable to the Dominion. This situation combined with increasing United States demands has induced substantial interest in the possible development of new domestic and foreign sources of zircon. Producers and distributors stocks of zircon on September 30 were approximately equivalent to a ten weeks' supply.

Acids

Acetic—No easement in buying conditions was noted. Demand has continued far enough ahead of demand to maintain a very tight market position. Production of synthetic in September was below that of the preceding month. The totals were 21,933,741 pounds in September, compared with 24,383,068 pounds in August. The amount of recovered acid in September was 96,836,421 pounds, against 94,679,656 pounds in August. Production of naural amounted to 2,655,615 pounds in September, compared with 2,676,437 pounds in the previous month. Exports from January 1 through August amounted to 4,478,000 pounds, compared with 786,000 pounds for the same period in 1945.

Chromic—Short stocks have made it difficult to buy this acid for anything like prompt shipment. There is more demand than supply at present with no indication of nearby betterment in sight.

Muriatic—One prominent producer has revised quotations for this acid which are now effective for contracts covering 1947 requirements. The commercial grade for 18 degrees is quoted in seller's tanks at $18.00 per ton, 20 degrees at $20.00 per ton and 22 degrees at $22.00 per ton works. It is stipulated that following a 48 hour free unloading period, there is a detention charge of $3.00 per day.

Naphthenic—Shipments against contracts have been made on a fairly prompt basis. The market's position is described as firm. Importations covering the period from January 1 through August amounted to 1,401,000 pounds compared with 1,063,000 pounds for the corresponding period in 1945.

Oxalic—Regular consumers are said to be the only ones receiving this material. The higher prices recently named have not checked demand which is considerably ahead of current production. The market closed the month in a tight and firm condition.

Sulphuric—Not in free supply with prices showing a tendency to harden. Production is being taken up readily with the movement behind schedule in some sections. Demand for agricultural use is said to be unusually heavy. Higher prices have been reported at some out of town points and the local trend has also shown a tendency upward.

Baltimore, Nov. 29.—Decontrol of sulphuric acid from the OPA has been followed by an advance of $2 per ton in the price of this commodity, with the former ceiling as the basis. This basis has varied according to the conditions under which the producers operated. It was suggested

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during the war that a uniform rate be set, but the proposal never received sufficient support to be put into effect, and as a consequence the war-time variations have been retained. Meanwhile acid making materials have gone up in costs, with some production units going out of operation at intervals, and with the output more or less reduced. Some essential products have advanced with increasing scarcity, while the expense of handling and transportation also has added to the problems of the producers. It is still a question if the increase of $2 a ton will be considered as covering the rise in outlay, with producers talking of the probability that the amount of the advance may not be permanent, and that further marking up of the price will become necessary to meet the rise. Output seems to suffice for taking care of the needs of the government and of acid consuming industries.

Tariff Bargaining

—Continued from page 3

items which may be considered are stated as follows:—

Par. 27. Coaltar products: All products provided for in paragraph 27 of the tariff act of 1930, except coaltar acids specified by name in clause 1 of subparagraph (a) thereof, and except products provided for in clauses 3 and 4 of subparagraph (a).

Par. 28. Coaltar products: (a) Photographic chemicals; benzyl acetate, benzyl benzoate, coumarin, diphenyl oxide, methyl anthranilate, methyl salicylate, phenylacetaldehyde, phenylethyl alcohol, and other synthetic odoriferous or aromatic chemicals (except flavors) all these products not marketable as perfumery, cosmetics, or toilet preparations, and not mixed and not compounded, and not containing alcohol; synthetic phenolic resin and all resinlike products prepared from phenol, cresol, phthalic anhydride, coumarone, indene, or from any other article or material provided for in paragraph 27 or 1651 of the tariff act of 1930, all these products whether in a solid, semisolid, or liquid condition; picric acid, trinitrotoluene, and other explosives except smokeless powders; all the foregoing products, when obtained, derived, or manufactured in whole or in part from any of the products provided for in paragraph 27 or 1651 of the tariff act of 1930; natural methyl salicylate or oil of wintergreen or oil of sweet birch; and natural coumarin.

Numerous items in various other schedules are slated for consideration; among them, of interest here are some of those comprised by the following paragraphs:—

	Schedule 2	
203	205	231
204	207	
	Schedule 3	
302	378	389
374	381	393
375	382	394
376		
	Schedule 5	
501	502	505
	Schedule 7	
708	727	762
709	739	777
713	758	780
716	759	781
	Schedule 13	
1301	1302	1303
	Schedule 15	
1501	1517	1548
1507	1530	1549
1514	1536	1556
1515	1545	1558
	Schedule 16	
1601	1675	1748
1602	1685	1749
1609	1686	1753
1611	1689	1754
1612	1693	1758
1613	1694	1759
1616	1697	1765
1619	1698	1766
1624	1699	1768
1636	1700	1775
1641	1707	1776
1642	1710	1777
1645	1718	1780
1647	1719	1781
1651	1721	1782
1652	1722	1783
1653	1727	1785
1658	1730(b)	1786
1659	1731	1787
1666	1732	1789
1667	1733	1792
1669	1734	1794
1670	1740	1796
1672	1743	1801
1673	1745	

Negotiations will also comprise items provided for in the following sections, among others, of the internal revenue code:—

2470	2491(c)	3422
2491(a)	2491(d)	3425
2491(b)		

Copies of the report—it is Department of State publication 2672, commercial policy series 96—may be got without cost from the Committee for Reciprocity Information, Eighth and E streets, Washington 25.

Shell Oil to Build

The Shell Oil Company will build a $10,000,000 lubricating oil plant on a site adjoining the company's refinery in Houston, Tex.

Carbon Black Firms Operating Data Asked

The Texas Railroad Commission has ordered operators of carbon black plants in that state to present detailed reports of their operations by December 12, as a preliminary step to a statewide hearing in Austin, December 19, on renewal of annual operating permits.

Heretofore the commission has renewed permits without controversy but demands for gas conservation and complaints that the carbon black companies pay too little for gas, have focused attention on the matter.

Cyanamid Subsidiary Acquires Nitrate Plant

American Cyanamid Company announces that its Canadian subsidiary, North American Cyanamid Limited, has concluded an agreement with the Canadian government to acquire the war-built plant known as Welland Chemical Works, located on the Welland River near Port Robinson in the Province of Ontario. The plant now produces ammonium nitrate fertilizer and other chemical products.

WAA Offers Surplus

—Continued from page 4

1/3-ounce tubes (WAA, Seattle, list E-158, item 11-2741048 1-1; December 9).

Charcoal gas generators, 2 (WAA, Philadelphia, list D-200-PH, item 581438-1-1; $1,003.86 each).

Coaltar, crude, 15,000 1-ounce bottles (WAA, Philadelphia, list C-517-PH, item 11; 3 cents each).

Codliver oil, 22,597 1-pint bottles (Department of Agriculture, announcement SC-134, items SC-S646 and 690; December 9).

Diatomaceous earth, 30,000 pounds (WAA, Seattle, list E-158, item 11-2440748 2-1; December 9).

Glue, casein-type, water-resistant, 1,122 pounds (WAA, New York, list V-Miscl.-PA-SB-6; December 6).

Glycerin, 48 1-gallon cans (WAA, Philadelphia, list C-631-PH, item 2; $2.10 per gallon).

Potassium bromide, 1,632 1-pound containers (WAA, Philadelphia, list C-631-PH, item 1; 31 cents each).

Potassium iodide, 4,000 ¼-pound bottles (WAA, Philadelphia, list C-517-PH, item 1; 40 cents each).

Silver proteinate, strong, 1,000 1-ounce bottles (WAA, Philadelphia, list C-517-PH, item 7; 20 cents each).

Sodium bicarbonate, 39,989 1-pound boxes (WAA, Philadelphia, list C-631-PH, item 3; 7 cents per box); 34,950 1-pound cartons (WAA, Philadelphia, list C-517-PH, item 6; 6 cents per carton).

Sodium borate, 9,950 1-pound cartons (WAA, Philadelphia, list C-517-PH, item 5; fixed price).

Sodium carbonate, 3,500 1-pound bottles (WAA, Philadelphia, list C-517-PH, item 3; 15 cents per bottle).

Sodium citrate, 221 pounds (WAA, Philadelphia, list C-631-PH, item 6; $45 for the lot).

Sodium phosphate, 4,000 ¼-pound bottles (WAA, Philadelphia, list C-517-PH, item 2; fixed price).

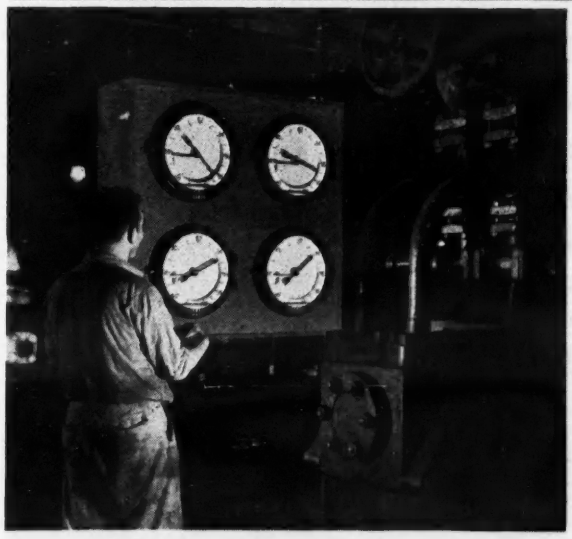
Sulphur, precipitated, 3,000 1-pound bottles (WAA, Philadelphia, list C-517-PH, item 4; 30 cents per bottle).

Talc, purified, 17,925 1-pound cartons (WAA, Philadelphia, list C-517-PH, item 10; 10 cents per carton).

Wax, white, 2,000 1-pound packages (WAA, Philadelphia, list C-517-PH, item 9; 25 cents per package).

The Seattle WAA office is offering also in list E-158, for bids up to December 9, a number of lots of various quantities of cleaners, caulking compounds, cements and sealers, fluxes, and other compositions, including 367 gallons of zinc chromate preparations.

The New York office, eleventh floor, building 77, Naval Shipyard, Brooklyn, is also offering in list V-Miscl.-PA-SB-6, four lots of various collections of paints and related preparations.



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Turco Advances Moulton and Buist

Turco Products., Inc., manufacturer of cleaning and processing compounds, Los Angeles, has appointed L. H. Moulton national sales director and D. T. Buist, assistant national sales director. Mr. Moulton formerly was head of the company's eastern division and Mr. Buist was western zone sales manager.

Heyden Starts Chlorine Output in New Plant

Production of chlorine, caustic soda and hydrogen at the new Memphis, Tenn., plant of the Heyden Chemical Corporation is now under way, officials of the company have disclosed.

Annual capacity of the plant will be 14,000,000 pounds of chlorine, 30,000,000 pounds of liquid caustic soda and 75,000,000 cubic feet of hydrogen.

In the near future the plant is expected to begin production of chlorbenzene. At at later date, phenol is scheduled to be produced through use of a chlorbenzene and high-temperature caustic hydrolysis process.

The Heyden Corporation recently purchased the factory from the War Assets Administration for $1,060,000, and is considering an expansion program. Located on a site within the Memphis city limits, the plant was built during wartime to produce phenol, but never put into operation.

Chemical Salesmen Officers Slate Named

James E. Ferris, of the Niagara Alkali Company, New York, has been nominated for president of the Salesmen's Association of the American Chemical Industry.

Other officers named by the nominating committee are vice-president, J. Robert Fisher, Fisher Chemical Company, New York; treasurer, William C. Harmon, jr., Calco Chemical Division of the American Cyanamid Company, Bound Brook, N. J.; and secretary, John Seidler, of Whittaker, Clark & Daniels, Inc., New York.

Leon W. Miller, of the Barrett Division of the Allied Chemical & Dye Corporation, New York, and Charles P. Walker, jr., of the Citro Chemical Company, both New York, have been nominated as members of the executive committee for 1947-50.

The association will hold its silver anniversary Christmas party at the Pennsylvania hotel, N. Y., December 19.

Van Ameringen Elected Hygiene Group Treasurer

A. L. van Ameringen, president of van Ameringen-Haebler, Inc., manufacturer of aromatic chemicals, New York, has been elected treasurer of the National Committee for Mental Hygiene.

P.A.'s View

—Continued from page 5

nounced further advances on pipe; others are expected to follow.

Nonferrous products are higher, due to copper, lead, and zinc advances.

Manufactured items of steel, leather, and paper have advanced 15 percent to 20 percent.

Paint prices are up 20 percent. Alcohol, soap, and rosin are up.

Stationery, office furniture, steel files, and miscellaneous office supplies are up 20 percent.

There is very definite evidence that the marginal products, some of which have been carried for many years on practically a nonprofit basis, are going to be lifted into the profit brackets on the crest of the current wave of price advances.

Some very drastic prices are, of course, reported. Glycerin is probably the outstanding example, indicating better than a 300 percent increase.

Basic farm commodities (cotton, corn, wheat, and rye) have experienced considerable price recessions caused by inflated price structures.

In Canada, little change in prices is noted, except in the case of imported items.

Employment

Lack of help is reported as a drawback to increased production. Many jobs are available that cannot be filled. Office employees and skilled workmen are scarce. There seems to be more unskilled labor looking for jobs.

Little change is reported in the West coast situation. In Canada, reports indicate strikers are returning to work, which tends to make more work for others.

General

In general, business is good. However, purchasing agents are becoming more cautious about prices.

Demand and production remain high, but the scarcity of some materials and the fear of strike interruptions make conditions very uncertain. A general improvement in industrial business would follow if the uncertainty of labor conditions were removed.

Purchasing agents are beginning to function as professional buyers with the old "buy at any price" practices becoming exceptional.

Merchandise buyers in some lines are reported cautious to the point of limiting commitments and cancelling unfilled orders.

Fair Trade

—Continued from page 7

gin with the establishment of retail distribution of that truth within the individual neighborhood and community. Such merchandising varies not at all in principle from the merchandising of a tangible consumer product."

Pointing a finger of warning, he reminded his audience that throughout periods of prosperity the defensive vigilance of management relaxes in preoccupation with creative and constructive labors. Abundance created by management in fruitful times, he said, incites to larceny those citizens who lack the will to labor but would rather scheme together to enslave their neighbors' energies and extort their substance.

"Communism, for example," he said, "is perhaps the most vicious form of organized larceny ever to infest the earth. Its leaders long have recognized that before America can be scuttled into ism-istic brutalities, under ruthless concentrations of political and economic power, her obstructions to piracy must be destroyed. Hence persistent attacks upon our Patent Laws, our Trade-Mark Laws and our Fair-Trade Laws. Hence smearing of our stoutest citizens and ridiculing of our proudest traditions."

Those attacks will continue and will grow, Anderson warned, whatever the name of the political party in power. While men of industry are busiest producing for the needs of the nation, he said, the disguised poison of anti-incentive propaganda, as always, will be needled stealthily into the minds of our people.

That poison, he added, is painted cunningly to produce violent anti-industry reactions in the next period of economic distress—distress for which such propagandists never cease to labor.

Mr. Anderson concluded with a plea that industry's efforts "to make clear to confused Americans the vital sources of our nation's strength should be redoubled rather than relaxed." He pleaded for the employment of "truth as a secret weapon," against which, he said, "the enemies of our competitive economy have no defense." He emphasized the need for "retailing truth at sidewalk and factory floor levels—in neighborhoods and communities."

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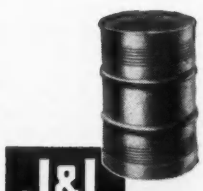

R.R. Williams Wins

—Continued from page 7

and Philippine governments, visited the Far East last Summer to help initiate far-reaching programs to combat beriberi by enriching rice with Vitamin B_1.

As a result of his efforts, plans are now being completed for the establishment of plants at Shanghai and Manila to produce thiamine-fortified rice for trial use in the diet of specific population groups, in preparation for general adoption of the rice-enrichment process in the two countries.

Dr. R. R. Williams

In addition to his work in the Orient, for which the Chinese government conferred upon him in 1942 the Medal of Honored Merit, Dr. Williams, as chairman of the Subcommittee on Cereals of the National Research Council's Food and Nutrition Board, has taken a leading part in the introduction of vitamin-enriched flour and bread in the United States.

Dr. Williams will be the forty-first recipient of the Perkin Medal, founded in honor of Sir William Henry Perkin, British chemist, whose discovery of aniline dyes led to the establishment of the aniline dye industry.

Other awards won by Dr. Williams in recent years include the Willard Gibbs Medal of the Chicago section of the American Chemical Society in 1938; the Elliott Cresson Medal of the Franklin Institute, Philadelphia, 1940; the Modern Pioneer Award of the National Association of Manufacturers, 1940; the annual award of the Association of Grocery Manufacturers, 1941; the Charles Frederick Chandler Medal of Columbia University, 1942, and the John Scott Medal of the City of Philadelphia, 1942.

Explosives Use Data Offered by Mines Bureau

OPD Washington Bureau

Many suggestions for minimizing hazards associated with the handling and use of explosives and for preventing mine fires are contained in two publications released by the Bureau of Mines as a part of its comprehensive program for conserving life and property in domestic mineral industries.

Based on observations made by Bureau safety experts during nationwide surveys of explosives-handling and fire-prevention practices in American mineral facilities, the publications represent the cumulative experience of the Bureau in these phases of mine safety. They are as follows:

Information Circular 7380, "Safe Storage, Handling and Use of Commercial Explosives in Metal Mines, Nonmetallic Mines and Quarries.

Information Circular 7374, "Some Data About Fire-Fighting Facilities at Metal Mines in the United States."

A copy of either of the above publications may be obtained free by writing to the Bureau of Mines, Department of the Interior, Washington 25, D. C. The publication desired should be specified by name and number.

Trade Briefs

Southland Products Company, New York, has announced that new facilities for quick-freezing fruits and vegetables were in full operation at its unit in Plant City, Fla.

Horn Research Laboratories, Queens, N. Y., has filed a certificate of voluntary dissolution.

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ANISE OIL—10 dms, G R Coleman Co, Hongkong—Star, 112 bgs, Peek & Velsor, Hongkong
ARABIC GUM—350 bgs, Thurston & Braidich, Port Sudan—50 bgs, S B Penick & Co, Port Sudan—1,000 bgs, Paul A Dunkel & Co, Port Sudan—1,000 bgs, Bank of London & South America, Port Sudan—70 bgs, Shalom Baby Wear, Inc, Port Sudan—1,000 bgs, Stein, Hall & Co, Port Sudan—250 bgs, Fag Trading Co, Port Sudan—300 bgs, T M Duche & Sons, Port Sudan—500 bgs, Frank Vliet Co, Port Sudan
ARGOLS—562 bgs, Stauffer Chemical Co, Inc, Catania—500 bgs, Stauffer Chemical Co, Inc, Naples
ARNICA FLOWERS—75 bgs, R J Prentiss & Co, Genoa
ARSENIC—20 dms, Metallo Chemical Corp, London—66 bbls, European Chemical & Metal Co, Gothenburg
ASBESTOS—7,000 bgs, Johns Manville Corp, Capetown
ASPHALTUM—22 bgs, Egmond Larsen, Vera Cruz
BALATA—86 bls, H A Astlett & Co, Paramaribo—21 bls, H H Pike & Co, Paramaribo—24 bls, Public National Bank & Trust Co, Paramaribo—75 bls, Littlejohn & Co, Paramaribo—72 blocks, 1 cs, Earle Bros, Belem
BALL CLAY—892 bgs and 140 tons, United Clay Mines Corp, Bristol—100 tons, Moore & Munger, Bristol—100 tons, Bristol
BEEF EXTRACT—216 cs, Wilson & Co
BEES WAX—18 bgs, H Struller, Jacmel
BENZOIN GUM—38 cs, J Beriago & Co, Singapore—42 cs, Max Van Pels, Singapore
BERGAMOT OIL—40 half cs, Commercial National Bank & Trust Co, Messina—40 half cs, Manufacturers Trust Co, Messina—60 half cs, Chase National Bank, Messina
BUTTONLAC—250 bgs, Cornelius & Suhr, Calcutta
CANTHARIDES—20 cs, S B Penick & Co, Hongkong
CARDAMOM—10 cs, J L Hopkins & Co, Colombo—20 cs, Otto Gerdau Co, Singapore—30 cs, L & R Millen, Cochin
CARNAUBA WAX—22 bgs, W R Grace & Co, Fortaleza
CASSIA—87 bls, Peek & Velsor, Rotterdam—400 bls, Van Norden & Archibald, Hongkong—168 bls, Fidelity Trading Co, Hongkong—Oil, 5 dms, Dodge & Olcott Co, Hongkong
CASTOR BEANS—850 bgs, Baker Castor Oil Co, Bahia—694 bgs, Brown Oil & Chemical Co, Bahia—1,550 bgs, Baker Castor Oil Co, Rio Janeiro—200 bgs, Spencer Kellogg & Sons, Jacmel—2,449 bgs, Spencer Kellogg & Sons, Port au Prince—1,987 bgs, Baker Castor Oil Co, Port de Paix—1,700 bgs, Spencer Kellogg & Sons, Port de Paix
CERAMIC COLORS—1 ck, B F Drakenfeld & Co, Liverpool
CHALK, PRECIPITATED—450 bgs, H J Baker & Bro, Liverpool
CHILLIES—85 bgs, Inco Trading Co, Mombasa—254 bgs, M J Golombeck, Mombasa—206 bgs, Becker-Mayer Seed Co, Curacao
CHINA CLAY—50 cks, English China Clay Sales Corp, Bristol—86 cks, E Fougera & Co, London
CINNAMON—204 bls, American Trading Co, Colombo—443 bls, C T Wilson & Co, Colombo—190 bls, Volkart Bros, Colombo—600 bls, J Ping, Colombo—60 bls, F Bedoya, Colombo—430 bls, Max Van Pels, Colombo—718 bls, Wessel, Duval & Co, Colombo—340 bls, Colombo
CINNAMON LEAF OIL—5 dms, Chase National Bank, Mombasa
CITRONELLA OIL—5 dms, Ungerer & Co, Colombo
CLOVES—250 bls, Bank of Toronto, Zanzibar
COBALT METAL—240 cks, African Metal Corp, Antwerp—oxide, 215 cks, African Metal Corp, Antwerp
CORN SILK—70 bls, Peek & Velsor, Genoa
CORUNDUM—401 bgs, Watson, Geach & Co, Beira
CREAM OF TARTAR—100 bbls, L & R Millen, Barcelona
CRESYLIC ACID—300 dms, William D Neuberg Co, Bristol—60 dms, Crowley Tar & Product Corp, Sydney—50 dms, American British Chemical Supply, Inc, Sydney—71 dms, Bakelite Corp, Hull—232 dms, Hull—102 dms, American Cyanamid & Chemical Corp, Glasgow—50 dms, Glasgow—65 dms, Republic Chemical Corp, Liverpool—315 dms, Liverpool
CUMIN SEED—166 bgs, Louis Furth, Inc, Piraeus—63 bgs, Piraeus—150 bgs, Irving Trust Co, Larnaca—513 bgs, American Nile Corp, Beirut
DAMMAR GUM—50 cs, American Cyanamid & Chemical Corp, Singapore—140 bgs, Thurston & Braidich, Singapore
DEXTRIN—200 bgs, Atlantic Gummed Paper Co, Rotterdam
DYES, ANILIN—29 dms, Ciba Co, Antwerp—85 dms, Sandoz Chemical Works, Cherbourg
EBONITE DUST—150 bgs, London
ERGOT—20 bgs, Biddle Sawyer Corp, Leixoes—600 bgs, S B Penick & Co, Leixoes
EUCALYPTUS OIL—29 dms, Orbis Product Corp, Sydney—10 dms, W T Rawleigh, Sydney
FLEASEED—Correction—In the previous issue, 326 bgs of fleaseed husks should have read fleaseed for S B Penick & Co, from Bombay, on the Willamette Victory
FENNEL SEED—400 bgs, C S Ekaria, Suez
FENUGREEK SEED—228 bgs, W E Martin Co, Bombay
FILTER PAPER—21 cs, Reeve Angel & Co, London
FISH SOUNDS—81 bls, Fulton Freight & Forwarding Co, Maracaibo
FUEL OIL—212,000 bbls, Standard Oil Co of N J, Aruba
FULLERS EARTH—100 bgs, L A Salomon & Bros, Bristol
GALLS—1 tc, Armour & Co, Buenos Aires—29 tcs, Wilson & Co, Buenos Aires
GELATIN—8 bgs, Van Gelder Fanto, Rotterdam
GENTIAN ROOT—67 bls, S B Penick & Co, Marseilles—121 bls, Marseilles
GLUE—200 bgs, Bankers Trust Co, Rio de Janeiro
GLYCERIN—32 dms, Bristol-Myers Co, Alexandria
GRAPHITE—1,000 bgs, Asbury Graphite Mills, Colombo
GYPSUM—6,225 tons, National Gypsum Co, Dingwall—12,157 tons, United States Gypsum Co, Deep Brook—1,781 tons, Walton—2,100 tons, Newark Plaster Co, Walton
IRISHMOSS—464 bls, R H Elmaleh, Casablanca—117 bls, Krim Ko Co, Cherbourg—60 bls, Jacques Wolf & Co, Cherbourg
IRON OXIDE—224 bgs, Witco Chemical Co, Bristol—1,120 bgs, C J Osborn, Bristol—448 bgs, Landers Segar Color Co, Bristol—200 bgs, 10 cks, Whittaker, Clark & Daniels, Liverpool
JESMIN CONCRETE—3 cs, Irving Trust Co, Messina—1 cs, Messina—oil, 15 cs, Coty Products Corp, Messina
JUNIPER BERRIES—84 bgs, R J Prentiss & Co, Naples—165 bgs, S B Penick & Co, Naples
KARAYA GUM—268 bgs, Wessel, Duval & Co, Bombay—133 bgs, Innis, Speiden & Co, Bombay—267 bgs, Wm A Allison & Co, Bombay—133 bgs, E Meer & Co, Bombay—83 bgs, J H Brown Agencies, Inc, Bombay—111 bgs, Biddle Sawyer Corp, Bombay
KYANITE—50 tons, Harry H Davidson, Calcutta
LAUREL LEAVES—160 bls, W E Martin Co, Izmir—50 bls, Otto Gerdau Co, Leixoes—50 bls, M J Golombeck, Leixoes—480 bls, Kachurin Drug Co, Leixoes
LEMON OIL—50 hlf cs, Guaranty Trust Co, Messina—100 qtr cs, National City Bank, Messina—50 qtr cs, Corn Exchange Bank, Messina—45 hlf cs, 100 qtr cs, Messina
LEMONGRASS OIL—15 dms, Irving Trust Co, Port au Prince—7 dms, Corn Exchange Bank & Trust Co, Port au Prince—1 dm, Fritzsche Bros, Port au Prince—1 dm, S B Penick & Co, Port au Prince—4 dms, National City Bank, Port au Prince—9 dms, Norda Essential Oil & Chemical Co, Singapore
LIME OIL—4 dms, J D Walsh, Port au Prince
LOCUST BEAN—240 bgs, Levy & Levis Co, Larnaca—gum, 200 bgs, Stein, Hall & Co, Liverpool
MACE—70 cs, Catz American Co, Singapore
MAGNESIA, CARBONATE — 1,080 bgs, Schofield-Donald Co., Inc., Glasgow—36 cs, Lo Curto & Funk, Liverpool
MANGANESE DIOXIDE—2 bgs, National Carbon Co, London
MANDARINE OIL—4 qtr cs, Whithall Shipping Co, Messina
MANGROVE BARK—5,210 bgs, Barkey Importing Co, Dar Es Salaam
MANIOC STARCH—2,100 bgs, H S C Trading Co, Buenos Aires
MANNA—4 cs, Russi Products Co, Palermo—10 cs, C L Huisking & Co, Palermo
MENTHOL—50 cs, R J Prentiss & Co, Rio de Janeiro
MICA—11 cs, Eugene Munsell Co, Rio de Janeiro—51 cs, Ford Radio & Mica Co, Rio de Janeiro—43 cs, Otto Gerdau Co, Rio de Janeiro—891 cs, J F Garneau Co, Calcutta—1,063 cs, Gillespie, Rogers, Pyatt Co, Calcutta—47 cs, Wm Brand & Co, Calcutta—100 cs, Eugene Munsell Co, Calcutta—200 cs, Cornelius & Suhr, Calcutta—432 cs, Schwab Bros Corp, Calcutta—50 cs, Ford Radio & Mica Corp, Calcutta—409 cs, Otto Gerdau Co, Calcutta
MARJORAM OIL—1 dm, Magnus, Mabee & Reynard, Barcelona
MURU MURU KERNELS—50 bgs, E F Drew & Co, Belem
MUSTARD SEED—334 bgs, A Ertag, Inc, Copenhagen—267 bgs, Transcontinental Seed Co, Copenhagen—150 bgs, New York Trust Co, Copenhagen—150 bgs, Levy & Levis Co, Rotterdam
NAPHTHALENE, FLAKE—200 bgs, Bristol
NUTMEGS—19 bgs, Fuerst Bros & Co, Singapore
OITICICA OIL—121 dms, Grace National Bank, Fortaleza—121 dms, S L Jones & Co, Fortaleza—1,550 dms, Brazil Oiticica, Inc, Fortaleza
OLIVE OIL—145 dms, Leghorn Trading Co, Beirut—96 dms, J Victori & Co, Barcelona—21 dms, Sterling National Bank, Seville—51 dms, Guaranty Trust Co, Seville—111 dms, Italian Cook Oil Corp, Genoa—111 dms, Schroeder Bros, Inc, Genoa
OPIUM—230 cs, Merck & Co, Piraeus
OURICURY WAX—96 bgs, Acua Shipping Co, Bahia
PAINT—260 cs, North American Mfg Export Assoc, Piraeus
PALMAROSA OIL—4 pots, Van Ameringen Haebler, Bombay—4 pots, Geo Lueders & Co, Bombay
PAPAIN—8 chests, R J Prentiss & Co, Colombo—111 cs, S B Penick & Co, Mombasa
PATCHOULI OIL—1 dm, Brown Bros-Harriman Co, Mombasa
PEATMOSS—300 bls, Halfmoon Manufacturing & Trading Co, Rotterdam
PEPPER, WHITE—295 bgs, Catz American Co, Rotterdam—37 bgs, Polak Trading Co, Rotterdam—175 bgs, Otto Gerdau Co, Rotterdam—121 bgs, C T Wilson & Co, Rotterdam
PENNYROYAL OIL—3 dms, Magnus, Mabee & Reynard, Barcelona
PETITGRAIN OIL—2 dms, Continental Bank & Trust Co, Port au Prince—5 dms, Ungerer & Co, Buenos Aires—5 dms, Geo Lueders & Co, Buenos Aires—6 dms, W J Bush & Co, Buenos Aires
PETROLEUM, CRUDE — 123,371 bbls, Standard Oil Co of N J, Puerto La Cruz—121,126 bbls, Socony Vacuum Oil Co, Puerto La Cruz—105,223 bbls, Standard Oil Co of N J, Las Piedras—104,280 bbls, Cities Service Oil Co, Las Piedras
POPPYSEED—900 bgs, Joel Bieler Corp, Rotterdam—200 bgs, Levy & Levis Co, Rotterdam—100 bgs, Louis Furth, Inc, Rotterdam—100 bgs, A G Dunn, Rotterdam—56 bgs, Piraeus
POTASH, CAUSTIC—40 cs, The Bergstrom Trading Co, Gothenburg
POTATO DEXTRIN—1,300 bgs, Stein, Hall & Co, Rotterdam—100 bgs, Morningstar-Nicol, Inc, Rotterdam—flour, 420 bgs, Catz American Co, Rotterdam
PYRETHRUM FLOWERS—1,000 bls, Dodge & Olcott Co, Mombasa—100 bls, John Powell & Co, Mombasa
QUEBRACHO EXTRACT—1,975 bgs, River Plate Import & Export Corp, Buenos Aires
REFUSELAC—500 bgs, Colony Import & Export Corp, Calcutta
RHUBARB—40 cs, S B Penick & Co, Hongkong
ROSEMARY OIL—3 dms, W J Bush & Co, Barcelona
RUTILE SAND—2,500 bgs, Bank New South Wales, Sydney
SADDLE SOAP—35 cs, Overseas Commercial Co, London
SAFFLOWER—6 bgs, Corn Exchange Bank, Alexandria
SAGE LEAVES—94 bls, Larnaca
SANDALWOOD OIL—10 cs, Givaudan-Delawanna, Bombay
SEEDLAC—2,000 bgs, Cornelius & Suhr,

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SENNA LEAVES—31 bls, R J Prentiss & Co, Port Sudan—68 bls, Bank of London, South America, Port Sudan

SHELLAC—800 bgs, 30 cs, Cornelius & Suhr, Calcutta—200 bgs, Mac Lac Co, Calcutta—950 bgs, Wm Zinsser & Co, Calcutta—234 bgs, G H Dockstader, Calcutta—700 bgs, Wm Diehl & Co, Calcutta—400 bgs, J B Day & Co, Calcutta—450 bgs, Schwab Bros Corp, Calcutta—200 bgs, Gillespie, Rogers, Pyatt Co, Calcutta—100 bgs, Bradshaw, Praeger & Co, Calcutta—300 bgs, Charles H Tim Co, Calcutta—250 bgs, Mac Lac Co, Calcutta

SIENNA EARTH—49 cks, Whittaker, Clark & Daniels, Genoa—10 cks, C B Chrystal & Co, Genoa

SODA, CAUSTIC—140 cs, The Bergstrom Trading Co, Gothenburg

SODA SILICOFLUORIDE—600 bgs, H Sundheimer Co, Copenhagen

SORVA GUM—100 cs, T A Desmond & Co, Belem

STORAX—50 cs, Dodge & Olcott Co, Izmir

SUMAC, GROUND—350 bgs, Palermo

TALC—450 bgs, Whittaker, Clark & Daniels, Bordeaux

TANNING EXTRACT—1,300 bgs, Vermilye Co, Liverpool

TEAWASTE—313 bgs, Maywood Chemical Works, Calcutta

THALLOUS SULPHATE—7 cs, Harmon Lichtenstein, Antwerp

THYME LEAVES—72 bls, Levy & Levis Co, Marseilles

THYME OIL—1 dm, W J Bush & Co, Barcelona

TITANIUM, ALUMINUM—21 dms, T B Smith Co, Liverpool

TRAGACANTH GUM—140 cs, 17 cs, H Sombeer, Beirut

TUNGSTEN ORE—75 bgs, Ayrton Metal Co, Capetown

UMBER, EARTH—516 bgs, C K Williams & Co, Larnaca—1,639 bgs, Reichard-Coulston, Inc, Larnaca—89 bgs, Chase National Bank, Larnaca

VETIVER OIL—2 dms, Chase National Bank, Port au Prince

WATTLE BARK—2,160 bls, Hammond & Carpenter, Durban

WOOL GREASE—100 dms, Faesy & Besthoff, Liverpool

ZIRCON SAND—15,260 bgs, Titanium Alloy Mfg Corp, Bristol—1,500 bgs, Bank New South Wales, Sydney

Baltimore

CARAWAY SEED—200 bgs, W G Scarlett & Co, Rotterdam

CASTOR BEANS—23,250 bgs, Bunge Corp, Fortaleza

CITRONELLA OIL—3 dms, Singapore

DAMMAR GUM—210 cs, 50 cs, Singapore

FERRO MANGANESE—1,522 tons, Sauda

LICORICE ROOT—7,538 bls, J S Young Co, Turkey—11,900 bls, J S Young Co, Izmir

MICA—493 bgs, Asheville Mica Co, Rio de Janeiro

MOLASSES—640,648 gals, San Pedro de Macoris

OLIVE OIL—48 dms, Pompeian Olive Oil Co, Beirut

PATCHOULI OIL—5 cs, Singapore

PEATMOSS—300 bls, Carl Gastmeyer, Rotterdam—250 bls, Halfmoon Mfg Trading Co, Rotterdam—1,015 bgs, Eelsingtic Lugtigheid, Rotterdam

POPPYSEED—200 bgs, W G Scarlett Co, Rotterdam

SIENNA EARTH—200 bgs, J Lee Smith & Co, Genoa

Boston

ARABIC GUM—800 bgs, Dillon Chemical Co, Port Sudan

Chicago

GRAPHITE—250 bgs, Superior Flake Graphite Co, Colombo

MASTIC—50 cs, J Glyman, Piraeus

POPPYSEED—100 bgs, Sokol & Co, Rotterdam

SEEDLAC—300 bgs, Bradshaw, Praeger & Co, Calcutta

VANILLA BEANS—18 cs, Hunzikers, Inc, Pointe-a-Pitre

Detroit

ERGOT—5 dms, Parke, Davis & Co, Leixoes

SHARK LIVER OIL—30 dms, Gelatin Products, Inc, Buenos Aires

Bridgeport

OITICICA OIL—238 tons, Raybestos Manhattan, Inc, Fortaleza

Indianapolis

GALLS—2 cks, 3 dms, Eli Lilly & Co, Brisbane

Los Angeles

COPAL GUM—200 bgs, J B Ruth & Co, Manila

COPRA CAKE—1,500 bgs, Atkins, Kroll & Co, Manila—meal, 700 bgs, Atkins, Kroll & Co, Manila—2,600 tons, Philippine Refg Co, Cebu

CUMIN SEED—90 bgs, Citizen National Trust Bank, Larnaca

Norfolk

MANGANESE ORE—1,000 tons, E J Lavino & Co, Calcutta

PEATMOSS—300 bls, Halfmoon Mfg Trading Co, Rotterdam

Peoria

BUCHU LEAVES—8 bls, Allaire, Woodward & Co, Capetown

Philadelphia

ARABIC GUM—1,000 bgs, Philadelphia National Bank, Port Sudan

CADMIUM—10 cs, National City Bank, Antwerp

CHROME ORE—4,000 tons, Masinloc—3,078,170 lbs, E J Lavino & Co, Beira—6,570,050 lbs, Vanadium Corp of America, Beira

COCOABUTTER—1,667 cs, Woodward & Dickerson, Bahia

DEXTRIN—200 bgs, Paper Mfg Tube Co, Rotterdam

IRON ORE—346 tons, American Export Co Line, Casablanca

KYANITE—263 tons, 16 cwt, Smith, Weihman Co, Calcutta

MUSTARD SEED—400 bgs, Catz American Co, Rotterdam

NEATSFOOT OIL—10 dms, Neatsfoot Oil Refineries Corp, Brisbane

PEATMOSS—500 bls, New Amsterdam Importing Co, Rotterdam

POTATO DEXTRIN—600 bgs, Stein, Hall & Co, Rotterdam

RUTILE SAND—3,091 bgs, Philadelphia National Bank, Sydney

SHELLAC—1,000 bgs, Mac Lac Co, Calcutta

SODA ALGINATE—2 dms, Meadows, Wye & Co, Glasgow

SKI WAX—25 cs, The Dee Bee Co, Antwerp

SUMAC, GROUND—339 bgs, Palermo—leaf, 200 bls, American Dyewood Co, Palermo—419 bls, Palermo

ZIRCON SAND—8,704 bgs, Philadelphia National Bank, Sydney

Pittsburgh

ZIRCON SAND—29,000 bgs, Orefractions, Inc, Brisbane

Providence

CROCIDOLITE, TIGEREYE—16 tins, Adolf Meller Co, Capetown

Rochester

MUSTARD SEED—300 bgs, R T French Co, Rotterdam

ULTRAMARINE BLUE—750 cks, R T French Co, Liverpool

Seattle

VITAMIN OIL—20 dms, Wilbur Ellis Co, Capetown

St. Louis

COCOA RESIDUE—6,666 bgs, Monsanto Chemical Co, Hull

Wilmington

STRONTIA—410 tons, E I Du Pont de Nemours & Co, Bristol

Lion Oil Buys Tennessee Petroleum Marketing Firm

The Lion Oil Company, El Dorado, Ark., has purchased the Tennessee Oil Company, Dyersburg, Tenn., one of the principal independent petroleum marketing concerns of northwest Tennessee. The sale involves five bulk plants, fifteen owned service stations, seven leased stations, a large number of dealer and farm accounts, as well as complete water terminal facilities on the Mississippi River at Heloise, Tenn.

The new acquisition will round out Lion's marketing territory in western Tennessee, where the company already operates twelve bulk plants with 243 owned and leased service stations and dealers' outlets. Chester Davis, founder and vice-president of the Tennessee Oil Company, will continue in petroleum marketing as distributor for Lion at Dyersburg.

Trade Briefs

Pennsylvania Grade Crude Oil Association will be enabled by resumption of patent office activity in foreign countries to register its emblem in Austria, Dutch East Indies, Hong Kong, India and Yugoslavia.

Continental Oil Company will pay a cost-of-living bonus of $50 to each of its more than 7,000 employees in December to cover that month and November. In February, a similar bonus will be paid to cover January and February.

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TRI-BUTYL ACONITATE
C H C O O C_4 H_9
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Properties of ACONITIC ACID— Soluble in water, lower alcohols, ethers and ketones. Insoluble in hydrocarbons and chlorinated hydrocarbons. M. W. 174—light-colored crystalline solid.
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German Refractories Manufacture Told

OPD Washington Bureau

A new synthetic material, artificial sillimanite, replaced Indian kyanite in the manufacture of mullite refractories in Germany during the war, according to a report now on sale by the Office of Technical Services, Department of Commerce.

The report was prepared by G. W. Josephson, of the Joint Intelligence Objectives Agency. It describes the ingredients of the substitute and the method used by the Heinrich Koppers Corporation of Duesseldorf in preparing it.

Some of the refractories made of the substitute material compared favorably with those using kyanite, but on the whole the quality was somewhat lower, because of higher shrinkage. Also, the substitute material cost three times as much as the delivery price of kyanite.

The formula for making artificial sillimanite requires, by weight, 60 percent kaolin, 27 percent aluminum hydroxide, 10 percent fused alumina, and 3 percent feldspar. The fused alumina helps to reduce shrinkage in the batch mixture, and the feldspar facilitates the formation of mullite. To accelerate mullite crystallization, Dr. H. Frank, of Koppers, suggested addition of one to five percent of very finely ground natural kyanite, when available.

The aluminum hydroxide, obtained from a Bayer process plant, is wet ground in a ball mill until virtually all particles can pass through a vibrating guard screen of 10,000 mesh per square centimeter.

The kaolin is crushed to a powder, fused alumina and feldspar are added, and the three ingredients are dry mixed in a Gilow Schlutius mixer. The aluminum hydroxide is then added. Water is controlled to constitute 25 percent of the finished batch.

The batch is carried to a "de-airing" screw, extruded, and cut into slabs. After drying the slabs are burned in a long-flame tunnel kiln. The resultant crude artificial sillimanite is then crushed to four sizes for use in the manufacture of mullite refractories.

Orders for the report ("Kyanite and Synthetic Sillimanite in Germany"; PB-34809; photostat, $1; microfilm, $1), should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order payable to the Treasurer of the United States.

Sodium Sulphate Plant Being Considered in Canada

A sodium sulphate processing plant may be established at Lake Chaplin, by the government of Saskatchewan, Canada, if the findings of a survey in progress are favorable, according to information from the U. S. Department of Commerce. Natural sodium sulphate is currently being recovered from the lake by the International Nickel Company, but it was said that the provincial government would use a different recovery method.

IDAHO *Potato Starch*

"THE FINEST MADE"

MAGIC VALLEY PROCESSING COMPANY OF IDAHO

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DINITROTOLUENE

Approximately 6,627,000 Pounds

Dinitrotoluene is used chiefly in the manufacture of explosives and dyestuffs. This particular material known as the oily or solid D.N.T., comes in both the fused and lump form, and was formulated to meet Ordnance specifications requiring a minimum melting point of 65.5°C. It is an intermediate product in the three stage nitration of toluene used in the production of the explosive T.N.T. Dinitrotoluene may also be converted to Nitrotoluidine which is an intermediate in the production of certain dyes.

PACKAGED in both wooden barrels and fibre drums.

MINIMUM QUANTITIES: One carload. This material is available for sale at the following War Assets Administration Regional Offices in these approximate quantities:

CHICAGO —4,874,000 Lbs.
LOUISVILLE — 101,825 Lbs.
KANSAS CITY— 721,875 Lbs.
RICHMOND — 530,000 Lbs.

BIDS TO PURCHASE: The minimum quantity, or more of this material, f.o.b. location, will be

Accepted Until Noon December 31, 1946

by the regional offices having the inventory.

War Assets Administration reserves the right to reject any or all bids or to make awards in whole or in part, or to extend the period of the sale. Material is subject to withdrawal prior to contract and is offered subject to the right of inspection by the prospective purchaser at its location. No warranty is made either expressed or implied except as to title and description.

RESERVE FOR PRIORITY CLAIMANTS: This material is offered for sale in the following sequence as provided by law: (1) Certified Veterans of World War II; (2) Subsequent priority claimants in proper sequence; (3) Non-priority purchasers. Federal Agencies have had opportunity to fulfill their needs. VETERANS OF WORLD WAR II should apply to their nearest War Assets Administration certifying office for certification. The case number shown on the certification and the location of the certifying office must be stated in a veteran's offer to purchase.

Mark your envelope: "BID TO PURCHASE DINITROTOLUENE" and address it to any regional office having the inventory.

WAR ASSETS ADMINISTRATION

872

RECONDITIONED **DRUMS FOR SALE**

SURPLUS LOTS OF USED DRUMS WANTED

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Textile and Leather Chemicals

Buying interest continued active and was restricted to sizing materials last week, while there was no noticeable improvement in the demand for tanning materials. Trading was reported of a good volume for domestic dextrin and starch while inquiry for imported materials continued light, because of the lower cost of the domestic products. Production of corn starch and dextrin was sold well ahead and the urgent request against contracts has placed deliveries several weeks behind schedules. Steady demand for potato starch absorbed the output for the balance of the year and a good inquiry was reported for early next year's needs. Low types of tapioca flour were offered more freely for shipment from Brazil and were fractionally lower in price. The better grades were reported in limited supply and well maintained at prevailing levels.

Outside of a good demand for wattle and quebracho extracts for nearby requirements, tanners evidenced little interest in other tanning materials last week. Trading in wattle bark and extract continued restricted by the scarcity of offerings for shipment from Africa. Reports from there indicated a strong market with the price trend upward. Conditions surrounding the exportation of quebracho extract were unchanged with the trade still awaiting prices and terms for shipments by the Argentine government, which recently assumed the control of the tanning material industry.

Contracts prices of bichromates for 1947 have been withheld until producers can determine the amount of soda ash and potash they are going to receive for next year requirements.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
292.8	292.8	295.8	303.0

(For Current Prices see Page 9)

Chemicals

Alumina, Acetate—Inquiry for next year's requirements was reported active. Market was firm and unchanged.

Bichromates — Deliveries against contracts were in steady request. Prices for next year's contracts have not been announced, as yet. Demand for export was active, but scarcity of resale material restricted business.

Soda, Hydrosulphite—This market was steady. Production was in good demand for prompt requirements. Prices were well maintained.

Sulphonated Oils — Production of sulphonated oils was affected by the scarcity and the high prices of basic vegetable oils and tallow.

Dyestuffs

Annatto—Business was light and spasmodic. Supplies on the spot were quoted at former levels.

Cochineal — Inquiry was reported improved for nearby delivery. Stocks on the spot were scarce and prices nominal.

Madder—Small lots were in fair request. Prices were unchanged.

Sizing Materials

Albumen, Blood—Offerings were reported scarce as production was still below requirements. Market was strong and reflected the higher costs of basic materials. Quotations were more or less nominal. Deliveries were reported still behind schedules.

Albumen, Egg—Trading continued slow last week. Supplies were liberal and more than ample to meet the current spasmodic demand. Prices were named at former levels.

Dextrin, Corn — Production was closer to normal than for some time in past and moved steadily against current orders. Demand for replacement was active and a large volume of business was noted for prompt and nearby delivery. Prices were unchanged.

Dextrin, Potato—Inquiry for domestic grades was fairly active. Arrivals of imported material totaled 2,200 bags at New York last week for delivery on previous orders. Consumers have switched to the domestic grades, which were about 2c. per pound lower, than foreign material.

Egg, Yolk—This market was reported steady because of light available supplies on the spot. Trading was fair and mainly for immediate needs, though inquiry was reported keen. Prices were well maintained at former levels.

Starch, Corn—Active demand continued to feature this market. Production was moving against contracts with deliveries reported several weeks behind schedules. Prices were steady and unchanged, since the government authorized loans of $1.15 per bushel on the 1946 corn crop to stabilize and protect the crop. The loan price is considerably lower than current market quotations. But in view of the prospective record crop some government officials believe prices will fall below support levels within a few months. Visible corn supply increased 3,353,000 bushels for the week ended November 23 and totaled 10,923,000 bushels, compared with 6,129,000 bushels, a year ago.

Starch, Potato—Deliveries against former orders were in active request. Production was reported sold up for the balance of the year and also for the greater part of January. Market was steady and unchanged. Interest in European material was quiet in view of the spread of 2c. to 3c. per pound between the domestic and imported grades. Imports totaled 420 bags at New York from Rotterdam last week.

Tapioca Flour—Offerings of the low types from Brazil were reported freer for shipment last week. Buying interest here continued slow. High grades were said to be in limited supply and sold well ahead. Shipments ranged from 5½c. to 11c. per pound, f.o.b. Brazil, according to quality. Supplies on the spot and for prompt delivery were quoted at 7¾c. to 11¾c. per pound, depending upon grade.

Tanning Materials

Divi Divi—There was little doing in the market last week. Shipments were offered quite freely, but buying interest continued light. Prices were unchanged and nominal for 38 percent at $65 to $67 per ton, ex-dock.

Mangrove Bark—Inquiry from tanners was reported dull and the market was featureless. Offerings were said to be liberal for prompt and nearby shipment. Arrivals totaled 5,210 bags at New York last week for delivery on prior contracts.

Quebracho Extract—Business was at a standstill last week because of the lack of information regarding the shipment of extract from the Argentine. The Argentine government recently took over the control of exports and has not as yet announced prices, terms and other details. Tanners showed more interest in next year's requirements. Imports were light and totaled 1,975 bags at New York last week, and were consigned on prior orders.

Sumac—Arrivals totaled 689 bags of ground sumac and 619 bales of leaf last week at New York from Palermo and were consigned on former orders. Shipments were firmer. Ground was quoted at $100 and leaf at $110 per long ton, ex dock.

Tara Powder—This product was quiet, though steady. Offerings for shipment were reported scarce and the market was strong at current levels.

Valonia—Consuming inquiry lacked improvement. Offerings for shipment were liberal, with tanners showing little interest in replacements. Primary markets were reported fairly steady.

Wattle Extract—Firm conditions featured this market. Inquiry for bark and extract was reported keen, with offerings for shipment limited. Prices were strong for both materials. Arrivals of bark totaled 2,160 bales last week, for delivery on former orders.

For Late Market Developments, See Page 4

ONE POUND OR A CARLOAD

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OVER A CENTURY OF CHROMIUM CHEMICAL PROGRESS

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Primary source of the organic chemicals which are the basic raw materials of the plastic, synthetic rubber, dye, and pharmaceutical industries. Very high-solvency, low-boiling solvent used in the protective coating, rubber, petroleum refining and textile industries.

Toluols

Nitration Toluol
Industrial Pure Toluol

Primary source of many organic, aromatic, intermediate chemicals. Low-boiling, high-solvency solvent and diluent used in the protective coating, rubber, textile and petroleum refining industries.

Xylols

Nitration Xylol (3° Xylol)
Five Degree Xylol
Ten Degree Xylol
Industrial Xylol

Source of chemical intermediates for dye and other industries. Intermediate boiling, aromatic solvent used in the protective coating, rubber, printing, insecticide, vitamin and textile industries.

•

AVAILABLE IN TANK CAR, TANK WAGON OR DRUM DELIVERY FROM STRATEGIC POINTS THROUGHOUT THE COUNTRY

THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
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Barrett

One of America's Great Basic Businesses

Coaltar Chemicals

Steel production registered a serious decline last week to 70.5 percent of capacity and it was apparent that the coaltar industry fully felt the impact of the walkouts at the coal mines. At this time, the outlook for coke production is unfavorable but could change easily with a settlement of the soft coal dispute. Buying interest in coaltar chemicals was increased with consumers attempting to build up inventories to avoid an emergency. The improved demand only increased pressure on the supply situation which was short in almost every direction.

Producers have taken advantage of a free market and have attempted to adjust prices to a level that covers the increased cost of production. Labor wage advances have probably played the major part in the higher costs of output. In one prominent producing plant it was stated that wage scales have gone up 85 percent in the last two years. At any rate there were more price revisions recorded last week than in all the previous four years combined. Price changes ranged from the basic coaltar chemicals up through the acids and intermediates. No dyestuff revisions were announced but the market was plenty firm backed up by the strength in basic materials. The accompanying market trend box carries the changes and they are too numerous to mention here. The hydrogenated solvents have been gradually working into a stronger position owing to cutback production and an expanding demand. The shortage of phenol has been instrumental in keeping down the output of both cyclohexanol and cyclohexanone.

Steel operations for the week beginning November 25 were scheduled at 70.5 percent of ingot capacity compared with 91.4 percent in the preceding week, according to the American Iron and Steel Institute. A month ago the indicated rate was 89.4 percent. The present schedule is equivalent to the production of 1,242,500 net tons of steel ingots and castings, compared with 1,610,800 tons for the preceding week and 1,529,400 tons for the corresponding week in 1945.

Market Trends

Prices Advanced

Alphapicoline, 1c. per lb.
Betagamapicoline, 1c. per lb.
Betanaphthylamine, 8c. per lb.
Broenner's acid, 11c. per lb.
Coaltar, crude, ½c. per gal.
Creosote oil, 1c. per gal.
Cresol, U.S.P., 2½c. per lb.
Cresylic acid, dom., 20c. per gal.
Dimethylamine, 2½c. per lb.
Dimethylaniiin, 1c. per lb.
G salt, 5c. per lb.
Gamma acid, 12c. per lb.
Laurent's acid, 18c. per lb.
Metaparatoluidin, 2c. per lb.
Monochlorobenzene, ½c. per lb.
Orthotoluidin, 8c. per lb.
Paradichlorobenzene, 1½c. per lb.
Paranitrochlorobenzene, 3c. per lb.
Phenol, ¼c. per lb.
Pitch, $1.90 per ton.
Pyridin, refined, 10c. per lb.
Shaeffer's salt, 14c. per lb.
Soda metanilate, 8c. per lb.
Tar acid oil, 7½c. per gal.
Tolidin base, 4c. per lb.

Prices Reduced

Dimethylaniiin, 1c. per lb.
Paratoluidin, 4c. per lb.
Soda naphthionate, 4c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
131.0	128.4	128.2	127.3

(For Current Prices see Page 9)

Basic Products

Benzol—Market continued to display a firm undertone. Demand was more active than usual with buyers attempting to increase inventories in order to avert possible shortages that may result from the coal strike. Stocks were not free but essential requirements were covered without unusual difficulty.

Coaltar—Crude was firm at the advance made effective at the beginning of the week. The supply position revealed no appreciable change from its former tight condition.

Creosote Oil — Production heavily under contract and steady shipments for wood-processing have prevented improvement in buying conditions. Higher prices appeared to have no influence on consumer interest.

Cresylic Acid—Higher prices are now effective for domestic acid. The best figure heard was 95c. a gallon for tankcars and $1.01 for returnable drums in carlots. L.c.l. in returnable drums $1.04 a gallon..

Naphthalene — Continued definitely short of current demand. The market position was firm at the higher prices recently named. Shipments to the manufacturers of phthalic anhydride have been below scheduled requirements. The movement of crude has never been able to level off demand from this source.

Phenol—Market situation was firmer and prices for synthetic U.S.P. have been adjusted to a higher trading level. Tankcars were quoted at 10¼c. a pound minimum with 10c. a pound named for technical. The range extended about 1c. Drums, returnable, in carlots, were quoted at 11¼c. and 11c. a pound, respectively, with a range upward to 12c., according to the producer.

Pyridin—Higher prices were named for the refined grades of this material. The range varied from 25c. a pound to $1.56 a gallon depending upon the variety. Commercial pyridin was quoted at 70c. a gallon for drums in carlots and at 73c. a gallon for less.

Toluol — There was no change to note in prices for this light oil. Prompt shipments continued available from a satisfactory supply position.

Xylol—Maintained a satisfactory degree of balance during the past week. Prompt shipments were available in reasonable quantities at former price levels.

Chicago, Nov. 29.—Interest in the coaltar bases was reported fairly good, and the tone remained firm to strong. Offerings were moderate. Ruling prices exclusive of tax were:—Benzol, pure, in tankcars, freight allowed 15c. 12-degree toluol, same basis, 22c.; 10-degree xylol, same basis, 29c.; industrial xylol, same basis, 22c.; solvent naphtha, same basis, 22c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Market supply situation was tighter at the beginning of the month and the outlook appeared uncertain on account of the current conflicting influences surrounding output. Cyclohexanol production has been cut down under the stringency in phenol which necessitated a corresponding cutback in the output of cyclohexanone. The upward tendency of the basic markets has strengthened the general price structure although there was no announcement of price changes during the week. Consuming demand has expanded with buyers showing some concern over the effects of the coal strike.

Coaltar Acids

Anthranilic—Stocks remain short of demand with no apparent easement in buying conditions in sight. Production sold on contract mostly to regular consumers in the dyestuff trade.

Broenner's—Higher prices have been established for this acid. The market is now quoted at $1.22 per pound f.o.b. works.

Cleve's—Production finding a steady outlet through contract accounts. Shortage of supplies restricting new business.

Fumaric—Heavy call for use in synthetic resins, protective coatings and dyestuffs is overtaxing current production. The market has maintained

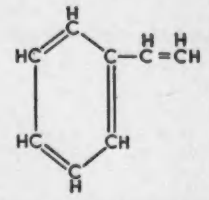
Coke By-Products

Estimates of by-product coke-oven operations in the week ended November 22 indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	1,041,960
Ammonia sulphate	lbs.	26,981,280
Benzol	gals.	3,400,080
Coaltar	gals.	12,613,200
Creosote oil	gals.	701,952
Naphthalene, crude	lbs.	1,667,136
Phenol	lbs.	164,520
Toluol	gals.	680,016
Xylol	gals.	153,552

For Late Market Developments, See Page 4

Koppers Provides a New Source of Supply for Styrene Monomer



KOPPERS has purchased the styrene plant at Kobuta, Pa., which it built and operated for the Federal Government under the rubber program.

It thus provides a valuable new source of supply for manufacturers of plastics, protective coatings and organic derivatives.

STYRENE MONOMER—*This is a product of high purity, with zero chlorine content.*

Resin Grade Styrene Specifications

SYNONYMS: Phenyl Ethylene; Vinyl Benzene

MOLECULAR WEIGHT: 104.14

DENSITY: 7.587 lbs. per gal. at 60°F.

COEFFICIENT OF EXPANSION: 0.00054 per °F.

FLASH POINT: 88°F. (31°C.)

PURITY, minimum: 99.30%

COLOR: Not over 15 units on APHA platinum-cobalt scale

APPEARANCE: Free from suspended matter and sediment

ALDEHYDES, maximum (as benzaldehyde): .015%

PEROXIDES, maximum (as hydrogen peroxide): .010%

SULFUR, total, % by wt., maximum: .010%

CHLORINE COMPOUNDS: absent

POLYMER, maximum: .20%

SOLUBILITY of polymer: Complete in benzene, toluene, dioxane, and methyl-ethyl-ketone

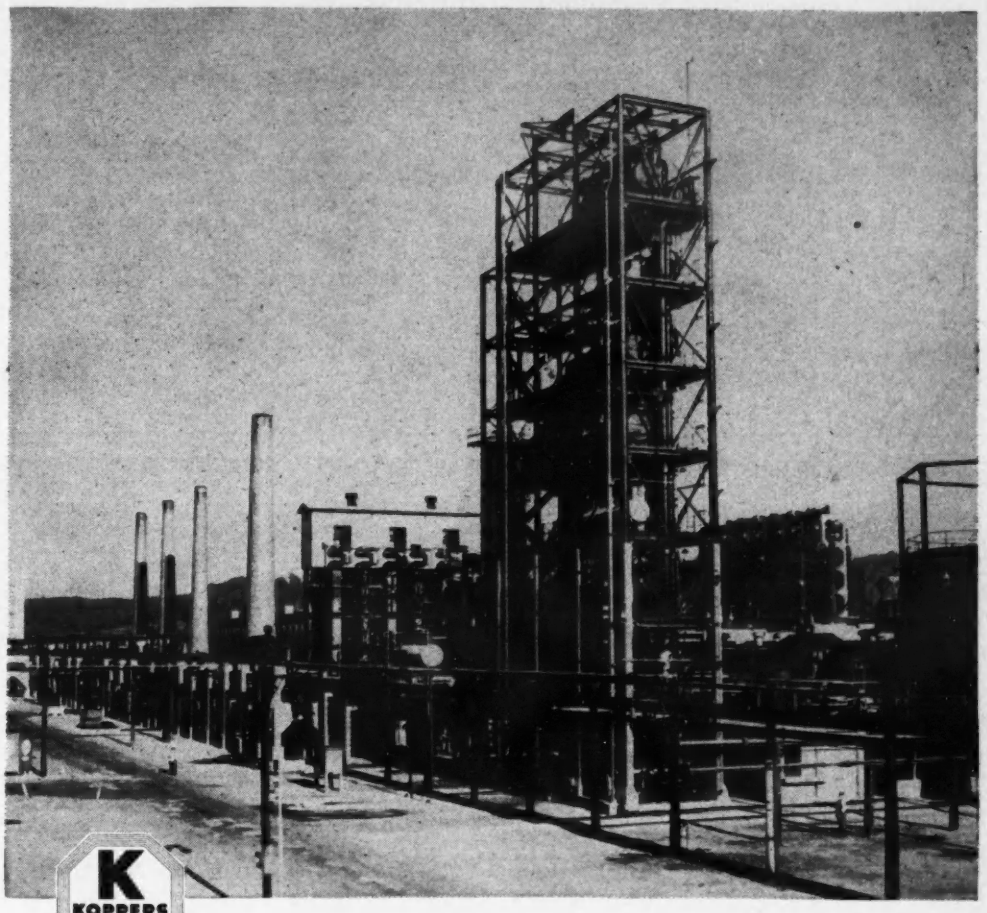
VISCOSITY at 25°, maximum: .80 centipoises

PHENYL ACETYLENE, maximum: .015%

INHIBITOR (as tertiary butyl catechol): 10-15 ppm

We shall be glad to provide samples for experiment and to cooperate with you in development work.

KOPPERS COMPANY, INC.
PITTSBURGH 19, PA.



a very tight supply condition throughout the year.

Gamma—Prices have responded to higher producing costs and the market has advanced to 97c. per pound, works.

H—Commanding attention for home as well as export requirements. Supply shortage has placed a limit on foreign business.

Laurent's—Prices have been advanced sharply. The best price heard was 63c. a pound, works.

Maleic—Shipments to manufacturers of synthetic resins have accounted for most of the current movement of this acid. Demand has kept above production and there has been no sign of easement from the market's tight position.

Picramic—Short and in similar condition to other coaltar acids. Demand has been sufficient to keep inventories down.

Tobias—Consuming demand has taken production readily and requirements continue unsatisfied. Buying conditions have shown no indication of easing.

Other Intermediates

Anilin—Prices were firm but unchanged for this intermediate. Demand continued active with shipments going forward on a fairly prompt basis. Stocks were not free and the movement was confined mostly to contract accounts.

Betanaphthylamine—Market supply position tight with sellers quoting at a higher level. The best price named was 59c. a pound.

Dimethylamine—Higher prices were quoted for this intermediate reflecting the advanced costs of production. Drums in carlots were held at 39½c. a pound and tankcars at 36c. a pound, works.

G Salt—Market conditions were firmer with prices up 5c. a pound to 50c. Supply position continued tight.

Metaphenylenediamine—An advance of 7c. a pound was named in producing quarters. The market was quoted on the basis of 72c. a pound.

Metalolylenediamine—High producing costs and short stocks have created a firmer market. Sellers named 77c. a pound as the minimum trading figure.

Mixed Xylidines—An advance of 3c. per pound was quoted for this material (O. M and P). The market was quoted at 38c. per pound.

Monochlorobenzene—Carlot prices for drums were higher at 6c. a pound, a net advance of ½c. a pound.

Paradichlorobenzene—While all producers have not adjusted prices for this intermediate, quotations available were 12½c. per pound for barrels in carlots and 14c. a pound for less.

Paranitrochlorobenzene — An advance of 3c. per pound was noted during the week. The market was quoted 18c. a pound.

Phthalic Anhydride—Prices were definitely firm at the recent advance. Stocks remained short of demand and buying conditions continued exceedingly tight.

Soda Naphthonate — Prices were quoted lower in one producing quarter. The market was quoted on the basis of 46c. a pound.

Tolidin Base—An advance equivalent to 4c. a pound was recorded in this intermediate. Contracts were held at $1 per pound.

Coaltar Colors

Domestic demand has been maintained at a level above current production and stocks have moved too rapidly to permit expansion in warehouse inventories. There is an exceedingly heavy inquiry for export which cannot be comfortably satisfied in view of the tight stock condition. Producers are not only experiencing difficulty in securing basic products but also higher markets. It looked as though some sizable export sales could be placed in sulphur black if the material was made available and considerable foreign business could also be placed in the acid varieties and other dyestuffs. At home the movement has been confined almost entirely to contract accounts.

General Petroleum Corporation, Pacific Coast affiliate of Socony Vacuum, has begun operation of a new petroleum refining unit at Torrance, Cal., said to be the largest delayed coker in the world.

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BENZOL (nitration, industrial, motors)
TOLUOL (nitration and industrial)
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BETHLEHEM STEEL

Fertilizer Use Increase And Conservation Urged

Greatly increased production and use of fertilizers, along with improved methods of farm cultivation, was urged at a joint three-day session of representatives of the University of Maryland and of the United States Soil Conservation Service at the Lord Baltimore hotel, Baltimore.

The plea was made by John Clark, secretary of the Maryland State Fair Board, who declared the plan would be a means of overcoming the discrepency between decreasing soil fertility and increasing population. He added that universal adoption of a soil conservation program must come even if it becomes necessary to adopt some sort of coercion.

Mr. Clark said that as the soil is now cultivated, there is not enough fertile land to feed the world's population, and, although many farmers agree in principle with conservation measures, they are not putting them into practice.

He recommended an educational program be included in the curriculum of public schools and advised that model farms be laid-out near public highways to serve as examples of the effectiveness of conservation.

In an earlier address, Dr. B. W. Shermantine, manager of the Maryland Milk Producers' Association, indicated that the dairy industry can solve its problems if it is freed of governmental assistance or regulation.

Goodrich Develops New Agricultural Chemical

A new agricultural chemical to combat fungi, insects and pests has been developed by the B. F. Goodrich Chemical Company, Cleveland. According to the company the chemical owes its effectiveness to the long enduring rubber-like film it forms upon treated surfaces.

The new chemical, one of a group known by the trade name "Good-Rite" follows the recent entry of the company into the biochemical field and is now ready for commercial application following several years development and research work and field tests, the company says.

Basic material for the new chemical is polyethylene polysulphide, derived from petroleum and sulphur. As a fungicide, when used by itself, tests have shown it capable of controlling most of the fungi which cause extensive losses on fruit trees.

Successful results have been attained, according to the company, when the new chemical is used in conjunction with other fungicides, pesticides and insecticides, as a carrier and adhesive. It is physically compatible with such fungicides as Bordeaux and limestone and sulphur and such insecticides and pesticides as lead arsenate, lime, fixed nicotine, nicotine sulphate, DDT or combinations of these chemicals, as well as with some copper and zinc compounds and oil sprays.

Nitrate Industry Established by Turkey

A nitrate industry will be established by the government of Turkey at Kutahya, where a plant will manufacture 6,000 metric tons of nitrates and 30,000 tons of nitrogen products annually. Near Istanbul, a caustic soda plant will be established which will have an annual production of 20,000 tons of soda and 6,000 tons of derivitives.

Hexaethyl Phosphate Promising as Insecticide

Hexaethyl tetraphosphate is reported to be coming up to the reputation as an insecticide which has been set forth in German literature. It has been found effective, in dilutions of from 0.25 percent to less than 0.025 percent, against a number of insects, including red spiders, citrus mites, aphids, and flies. Used in efficacious dilutions, it has been found not injurious to plants of amsonia, African violet, barberry, bean, carnation, cherry, chrysanthemium, coleus, eggplant, elm, false buckthorn, fern, firebush, gardenia, Rantana, lilac, privet, rose, snapdragon, spirea, stock, sweetpotato, and syringia. Its phytotoxicity is higher where spraying is done in hours of high temperature. It also is influenced by formulation, and preliminary tests are advised.

Hexaethyl tetraphosphate is of indicated toxicity to animals, having a relatively small lethal dose, internally and externally, for rats. Caution against inhalation of mists or prolonged contact with the skin is urged.

This compound is miscible with water, but is hydrolyzed; also with acetone, alcohol, benzene, carbon tetrachloride, chloroform, diacetone alcohol, ethyl acetate, glycerine, orthodichlorobenzene, pine oil, toluene, xylene, alkylnaphthalenes, and the like. It is not miscible with kerosene or petroleum ether. Aqueous sprays, with a wetting agent, are suggested for immediate use. Emulsions of xylene, or other, solutions in water are said to be efficacious.

Hexaethyl tetraphosphate is being offered commercially, in gradually increasing volume, by the Monsanto Chemical Company, St. Louis. It is identified by the trade-name, "HEPT."

Phosphate Deposits Data Compiled

OPD Washington Bureau

W. E. Wrather, director of the Geological Survey, has announced that a list of some important phosphate deposits of southeastern Idaho and adjoining parts of Wyoming and Utah has been compiled and placed in open file.

This list is a preliminary step in a comparison of the relative merits of the various deposits. It precedes a more comprehensive summary, now in preparation, of published data on the accessibility, ownership, structure, grade, thickness, and reserves of the various deposits. It will be followed also by additional detailed mapping and sampling of the better deposits.

The list and accompanying index map may be inspected at the Geological Survey offices at 707 Peyton Building, Spokane, Wash.; 506 Federal Building, Salt Lake City, Utah, and Federal Works Agency Building, Washington, D. C.; and at the office of the director of the Idaho Bureau of Mines and Geology, University of Idaho, Moscow, Idaho, and the office of the State Geologist, Laramie, Wyo.

Fertilizer Firm Expanding Plant

More than $50,000 will be invested for additional buildings and equipment at the Bakersfield, Cal., plant of the International Fertilizer & Feed Company. The plant, formerly operated by the Kern Dehydrating Company, recently was purchased from the War Assets Administration for $24,150.

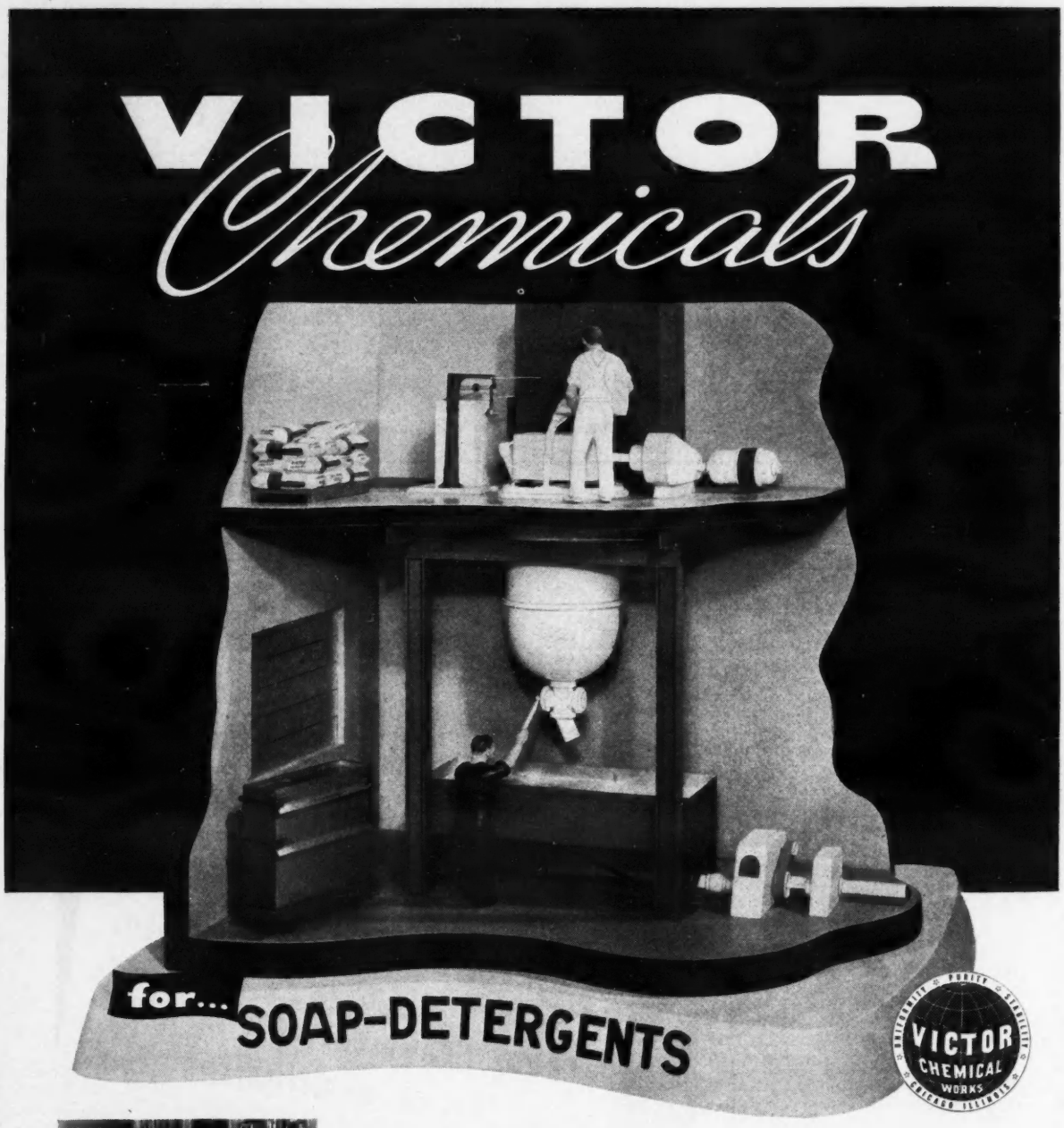
New fertilizer machines have been purchased for $10,000 and mixing machines for the processing of sulphur for fertilizer are being installed. The sulphur is being imported from Texas.

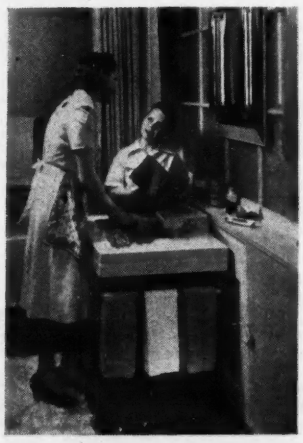
The company plans to import copra from the Philippines for use in cattle feed and peanut and feed hull brans from Texas, also as part of the feed component. Use is made locally of cottonseed meal and sun dried potatoes.

Trade Briefs

Hageman Properties, Inc., crude oil and petroleum products, New Castle, Del., will open offices in New York at 60 East Forty-Second street.

Southern Research Institute, Birmingham, Ala., has added to its staff E. J. Freeman, formerly associated with the International Minerals & Chemical Corporation, Chicago.





Difficulties encountered in washing with hard water have prompted the widespread use of special water-softening and soap building chemicals. Soaps containing Victor tetrasodium pyrophosphate, for example, yield more suds and a cleaner, sweeter smelling wash. The pyrophosphate sequesters magnesium and prevents the formation of magnesium soaps, while simultaneously peptizing the curds of calcium soaps so they do not become enmeshed in the fabric. It also has a marked solvent action on organic materials such as gums and waxes, and loosens and disperses solid particles of dirt. • Other Victor chemicals used in the manufacture of soap and detergents include: **Sodium Tripolyphosphate** (cleaning compounds and bar soaps), **Tetrapotassium Pyrophosphate** (liquid soaps and washing compounds), **Tripotassium Phosphate** (liquid soaps), **Trisodium Phosphate** (cleaning compounds), **Wetting Agents** (cleaners and synthetic detergents).

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Agricultural Chemicals

An advance in the price of nitrogenous material, synthetic tankage, was recorded last week. Buying interest in this material was active with the supply far short of demand. Cyanamide will be advanced on December 9. Commercial sulphur flour for dusting has been established at a higher selling level. The market situation in ammonia nitrate was exceedlingly tight and the overall supply of nitrogen for fertilizer use at present is described as critically short. Packing houses were a shade easier in their views on tankage with sales reported below the recently established high level.

Superphosphate was firm with producers complaining about insufficient shipments of phosphate rock. Total mine production of phosphate rock in the United States in the first half of 1946, according to the Bureau of Mines, was 3,283,179 long tons. Phosphate rock sold or used in the first half of 1946, 3,271,100 long tons, was more than six hundred thousand tons greater than in the corresponding period of 1945; the value, $13,878,651, was over three million dollars greater. The average value of the phosphate rock sold or used increased slightly, from $4.02 in the first of 1945 to $4.24 in the similar period of 1946, increases being reported in all classes of rock except Idaho rock and soft rock from Florida. Total stocks in producers' hands on June 30, 1946, were markedly less than at the end of the first six months of 1945.

Nitrogenates

Ammonia Nitrate — Stocks short with outlook for replenishment of supplies uncertain. It is reported that export shipments have seriously curtailed the amount available for home consumption.

Ammonia Sulphate—Production is finding a ready outlet mostly to fertilizer mixers and stocks have been kept from increasing. At this time the outlook is uncertain on account of the coke situation. Exports in August amounted to 2,014 tons. Imports aggregated 7,131 tons.

Castor Pomace — Prices held the recent advance and the market presented a firm tone. At Los Angeles $42.00 a ton flat was named for prompt shipment. Trading continued along moderate lines.

Cyanamide—Higher prices will be made effective for this material on December 9. Fertilizer mixing grade will be $1.85 and pulverized $1.75 per unit ton. Importations in August registered 15,444 tons of calcium cyanamide against 9,183 tons for the corresponding month in the previous year.

Dried Blood — Held firm with offerings limited and feeders taking stocks at $10.50 a unit ton in Chicago. Production increasing but not sufficient so far to ease market.

Hoof Meal—Material was offered at $9.50 per unit ton without attracting any unusual buying interest.

Nitrogenous Material—An advance equivalent to 85c. to 90c. per unit ton has been recorded in this market. The price is $4.00 to $4.05 per unit ton for bulk, depending upon the producer. Demand has continued to overtop supply and the market's position is definitely tight.

Soda Nitrate—Demand has remained in excess of supply leaving the market position definitely tight. The market's price structure is firm but without revealing any change in quotations.

Tankage—Sales were reported on the basis of $10.00 a unit ton in Chicago which is 50c. lower than the previous trading level.

Phosphates

Phosphate Rock—Contract accounts appear to have production booked for some time ahead. This condition is reflected in a shortage of stocks for additional requirements. The market is firm and tight.

Madrid advices state that—Spain's production of phosphate rock in the first half of 1946 was slightly less than in the like period of 1945, the totals being 9,649 and 9,999 metric tons, respectively. Most of the production is from the mine in Caceres. Considerable quantities of phosphate rock are imported from French Morocco, from which superphosphate is manufactured for export.

Superphosphate—Buying conditions have continued tight. Stocks have been kept down owing to the steady demand for contract shipments to fertilizer mixers. Baltimore reports that acidulators are not getting sufficient phosphate rock. Exports of normal 18 percent superphosphate in August amounted to 13,368 tons. Export shipments of concentrated 45 percent in August were 12,024 tons. Both items were more than double the shipments noted for the corresponding months in 1945.

Potashes

No easement in demand for muriate or sulphate. Production has been heavily sold against allocation until Spring. Demand from fertilizer mixers is said to be in excess of production and the market position holds definitely tight. Transportation has caused some irregularity in the movement from mines but so far no serious delays have been experienced, although it is admitted that the outlook at present is none too favorable.

Insecticides

Recent advances in some of the major products have stimulated interest in the insecticide and fungicide markets. The upward tendency in copper, lead and zinc has made it necessary for producers of lead arsenate and some of the copper chemicals to limit quotations to immediate shipment or to specify price at time of shipment in contracts. As indicated in the preceding week, tribasic copper sulphate has been advanced. The current market is up one cent per pound to 20½c. for paper bags in carlots and 21c. for less. Commercial sulphur flour for dusting has advanced 15c. per 100 pounds to $1.80. The position of arsenic has continued exceedingly tight. In the United States and Mexico arsenic is a byproduct of copper and the supply is regulated by the supply of the metal. In general, it is stated that production of insecticides and fungicides is now well underway for distribution in 1947. Output has started with inventories at a record low level. The uncertain possibilities which confront producers has prompted the industry to urge consumers to buy early and leave the time of delivery and the manner of shipment at the option of the supplier.

Sulphur and Pyrites

Heavy consuming demand has continued to feature the market for sulphur, steady sales being reported for both home and export. Orders have been taken at higher prices at some points for export, the range extending upward to $20.00 a ton. Higher prices have been named for processed sulphur, commercial flower being held at $1.80 per hundred pounds.

Advices from Rome state that because of high sulphur production costs, reflected in the official price of 9,500 lire (225 lire equal one dollar United States currency) per ton at Sicilian ports, efforts to find export outlets have not so far been successful. The serious situation in the industry resulting from these sales difficulties has forced the largest company in Sicily to suspend operations at its two mines. Negotiations on the financing of the industry are under way between representatives of the sulphur companies and the Italian Government.

Shipments against contract accounts have constituted the principal movement in pyrites. There was no announcement of change in prices.

Market Trends

Prices Advanced

Nitrogenous material, 85c. per unit-ton.
Sulphur flour, 15c. per 100 lbs.

Prices Reduced

Tankage, 50c. per unit-ton.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
72.1	72.1	72.1	71.8

(For Current Prices see Page 9)

For Late Market Developments, See Page 4

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Drugs and Fine Chemicals

Price advances continued to be the feature in the market for drugs and fine chemicals. During the past week, higher quotations were named firmly on bismuth hydroxide, nitrate, subcarbonate, subgallate, subnitrate, subsalicylate, and salicylate—a reflection of the rising cost of bismuth metal and a development long known to be due but vastly delayed by numerous circumstances, crude iodine and all iodides, plus iodoform, were advanced, and synthetic camphor rose 12c. per pound. The sale price decline of the week came in streptomycin.

The week's price developments also included the putting into effect of the advance in caffeine alkaloid, citrated caffeine, and hydrobromide — movements that two weeks ago were announced to become effective on December 1.

Agents for the Chilean crude iodine factors advanced prices for that article at "5:01 Eastern Standard Time on November 22," to quote the official announcement. This action was before the makers of iodides on last Monday morning and they began the calculations that eventually will set a higher schedule on resublimed iodine, iodoform, potash, and soda iodide, in addition to the very numerous minor iodides which are usually priced after the schedule on the major iodides is set.

Finally, castor beans were higher again in Brazil and the domestic processors of beans advanced their quotations on castor oil to establish a very strong position for an article the demand for which has never been larger.

Acetanilide—Demand was good and supply was not too plentiful. Nor does the present coal situation forecast continued production in quantities likely to return normal reserves to the hands of sellers. The situation was tight.

Acetone — Demand was excellent and production was absorbed with a promptness that curbed most efforts to build a reserve supply as insurance against shortages in the future. Production was good.

Acid, Acetylsalicylic—If nothing interfers with continue production of this article at virtual capacity of all plants, the more pressing needs of buyers will probably be met under improving conditions. A close-down of production as the result of the coal situation would be disasterous.

Acid, Glycerophosphoric—Producers have increased the price of this article to $2.25 per pound because of the sharply higher cost of all raw materials entering into its manufacture.

Acid, Nicotinic—Demand was steady and prices were also well maintained throughout the past week. Competition was not very keen. Volume of sales compared well with that in recent periods.

Acid, Tartaric—Competition appeared to be on the increase and market talk was along the line of possible declines in the price of domestic material in a not disclosed future. Demand was good.

Alcohol—Demand ran to excellent totals and the withdrawals from the government stockpile of alcohol reached substantial size during the past week. The advance in prices for alcohol in all forms has not checked consumer interest in the article and sales reached excellent totals by the close of last week. Total elimination of taxes on alcohol used for all purposes other than beverage manufacture is to be pushed hard by the affected interests who expect such a proposal to be laid before the next Congress which will have to consider the 1947 tax measure.

Amyl Acetate—The supply found ready buyers and for the most part it seemed likely that this article when made from fusel oil would continue to be in tight supply for some time to come. Not until alcohol makers have full flow production can the situation be changed very much.

Argols — This article still lacks quotable change but nothing in the overseas picture suggests coming advances of a substantial sort and it is expected that replacement cost will be well maintained in the immediate future.

Bismuth Salts—Order is at last coming to the pricing of the derivatives of bismuth metal. Sharp advances in the cost of metal and Office of Price Administration restraints combined to make it impossible for the usual suppliers of bismuth salts to present their usually orderly line up of prices. As of this writing, definite prices have been established on the major and a few of the minor salts, being as follows: Subnitrate, $2 per pound; subcarbonate, $2.40; subgallate, $2.35; hydroxide, $3.80; oxychloride, $3.60; nitrate, $1.60; salicylate, $2.15 to $2.17; subsalicylate, $2.90; chloride, $4.35; citrate, $2.97.

Caffeine — Effective December 1, prices became effective at substantially higher levels. Alkaloid, $3.75 per pound; anhydrous, $4; citrated, $2.50; hydrobromide, $5.91 to $5.99. These advances were considered to be conservative when related to the prevailing cost of production at all points.

Calcium Glycerophosphate — Prices have been advanced to $1.90 per pound for the N. F. powder, a rise caused by the present higher costs of glycerin, alkalis, and alcohol.

Camphor — Prices for synthetic camphor have been advanced 12c per pound all along the line. The advance reflects today's much higher cost of raw material. Well informed quarters seemed to think that prices would become stabilized at current levels rather than to seek still higher position. New quotations were as follows: Technical, ton lots or more, 54c. per pound; 1,500 pounds, 56½c.; 5 to 9 barrels, 57c.; 1 to 4 barrels, 58c.; smaller lots, 60c. to 67c. USP, granular or powder, ton lots or more, 81c. per pound; 1,000 pound lots, 82c.; smaller lots, 83c.; tablets, ton lots or more. 94c.; 1,000 pound lots, 95c.; smaller lots, 96c.

Castor Oil—The market was tight as to supply, strong at the recent price advance, and tending steadily higher on spot in keeping with the situation in beans and oil on the Brazilian market. Castor beans were around $240 per long ton, f.o.b. Brazilian ports, but very little was available for sale there. Quotations on U.S.P. oil in tanks were 29c. per pound and they were very strong.

Arrivals of beans totaled 31,680 bags, or 4,752,000 pounds. The total arrived since January 1 was 1,131,902 bags, or 169,785,300 pounds, which compares with 1,630,043 bags, or 244,506,450 pounds.

Chloroform — Although some raw materials used to make this material are now selling at advanced prices, producers of chloroform retain a schedule unchanged as yet, although an upward adjustment would not surprise because of the raw material situation.

Codeine — Announcement of higher prices has yet to be made but such a development has been indicated for many weeks because of the prevailing price of opium in the primary market.

Codliver Oil—The market on spot

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Bismuth chlorde, $1.50 per lb.
citrate, 78c. per lb.
Nitrate, 30c. per lb.
Oxychloride, 50c. per lb.
Hydroxide, 45c. per lb.
Subcarbonate, 70c. per lb.
Subgallate, 55c. per lb.
Subnitrate, 47c. per lb.
Subsalicylate, 40c. per lb.
Caffeine alkaloid, 95c. per lb.
Citrated, 55c. per lb.
Hydrobromide, 62c. per lb.
Camphor, synthetic, technical, 12c. per lb.
USP, 12c. per lb.
Castor beans, $5 per long ton.
Castor oil, 2c. per lb.
Iodine, crude, 14¼c. per lb.
resublimed, 35c. per lb.
Iodide, potash, 25c. per lb.
Soda, 30c. per lb.
Thymol, 85c. per lb.
Iodoform, 35c. per lb.

Prices Reduced

Streptomycin, hospitals, $3.20 per gram.
wholesalers, $2.56 per gram.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
250.5	246.5	244.6	207.6

(For Current Prices see Page 9)

ALKALOIDS
GLUCOSIDES — DRUG EXTRACTIVES

ACONITINE
AGARICIN
ARECOLINE
ASPIDOSPERMINE
ATROPINE
BERBERINE
COLCHICINE
DIGITALIN
EPHEDRINE
ESERINE
HOMATROPINE
HYDRASTINE
HYOSCINE
HYOSCYAMINE
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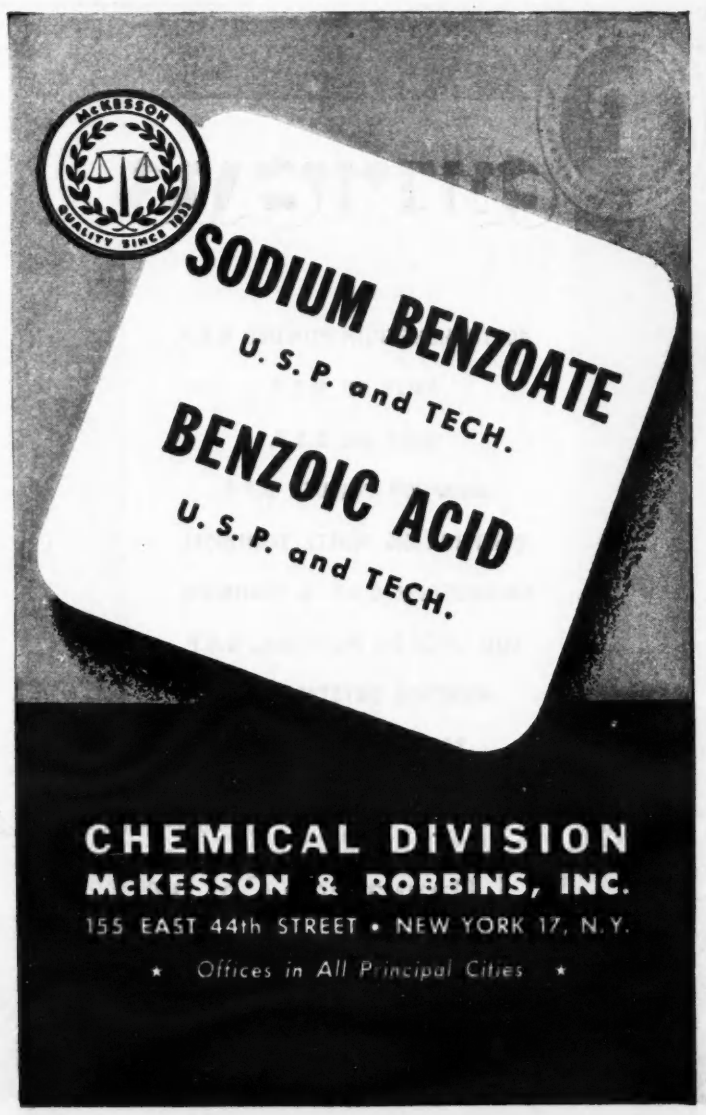
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continued strong. Demand found little unsold oil in store on this market and warehouse holdings have been well engaged against the future requirements of manufacturing consumers who at present feel the pressure of high demand for their products. In some respects, spot prices were about nominal; at least, they were all subject to confirmation at time of sale.

Collodion—The higher prices named during the previous week remained firm and were the subject of excellent demand from manufacturing consumers. Stocks were not overly plentiful.

Cream of Tartar—Not plentiful but still available in quantities caring for the more pressing needs of manufacturing consumers. Prices lacked further development but some think they may work lower.

Creosote Carbonate — Seasonal demand was active and the market as a whole occupied a firm position. Stocks were conservative in all respects and competition was negligible in local circles.

Fusel Oil—Offerings were conservative. Consumers were ready to accept capacity deliveries and that fact has left little material for warehouse reserves of the producers. The higher prices sent in the previous trading period were in strong position.

Glycerin—Demand ran strong. Manufacturing consumers were understood to have paid around 70c. to 75c. per pound for prompt deliveries of chemically pure material, which compares with the formal schedule of 55c. per pound quoted by most of the leading refiners. Basic raw materials for soap manufacture were high and strong and the glycerin recovered by soapers was far less than the refiners and others could have quickly absorbed. In all respects, all forms of glycerin moved in a strictly sellers' market.

Iodine and Iodides—The supplier of crude iodine advises that "effective at 5:01 p.m., Eastern Standard Time, November 22, the price of crude iodine will be $1.50 per pound, less 5 percent, ex warehouse, Staten Island, New York City." This would mean a net price of $1.42½ per pound, which compares with the former price at $1.28¼. Notice is also given that the seller will continue, until further notice, to accept orders for delivery up to three months from date of contract and will protect against decline in price above stated for ninety days from date of invoice.

Producers of iodides announced some prices, as follows: resublimed iodine, $2.10 per pound; potash iodide, $1.60; soda iodide, $2.72; thymol, $4.25; iodoform, $4.45.

Iodoform—A higher price for this article is in the making now that the suppliers of crude iodine have announced a substantial rise in the price for that article.

Manganese Glycerophosphate—Prices on this article are now minimum at $4.25 per pound because of the much higher prices being paid for alcohol glycerin, and alkalis.

Milk Sugar—Although talk of higher prices has circulated for some time past, no change from the long prevailing price of 26c. per pound in carlot quantities has been made. However, such a development in the realm of higher values was still under consideration last week.

Potash Glycerophosphate—Advanced cost of alcohol, glycerin, and alkalis have forced an increase in the schedule for this article. The minimum price quoted is now $2.30 per pound for the 75 percent solution.

Quicksilver—The market was free from further price decline, but it seemed to be competitive especially on the part of those supplying European metal to this market. The prices asked for domestic metal stand above the price for imported goods. Demand was not very brisk last week.

Quinine—A return to the private importation of cinchona bark may work a general change in the availability of quinine for domestic manufacture as high test bark can be obtained and moved from the Netherlands East Indies in quantity. It may be supposed, too, that the Dutch authorities will seek to increase their sales of quinine and its salts in the United States.

Saccharin—Holding very firm in price. Producers are limited in their ability to accept new business from buyers and the open market does not hold any too much resale material with which potential buyers can satisfy their needs.

Salol—This price has been inert for an exceptionally long period of time, but in view of the situation prevailing as regards production costs and the cost of raw materials, a change in values would not surprise, though the producers do not forecast such a development at this time.

Silver—Bullion continued in complete price stability at 90⅛c. per ounce and, hence, the schedule on silver salts lacks development. Sales of silver nitrate continued to be excellent in volume.

Soda Glutamate—The supply was somewhat larger than it had been but there was still no surplus of supply and excellent demand resulted in prices holding very firm at $1.46 to $1.48 per pound.

Soda Glycerophosphate—Production cost has been forced higher by the rising prices for glycerin, alcohol, and alkalis. The result is that this glycerophosphate is now strongly maintained at $1.90 per pound for N. F. crystals; powder, $1.95; 75 percent so-

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lution, $1.10; 50 percent solution, 85c.

Strychnine—No general offering of the complete line of strychnine chemicals is possible as yet. Offerings were still restricted to alkaloid and sulphate. However, the raw material situation has improved and the goods will be supplied when demand pushes hard enough.

Sulpha Drugs—Although numerous inquiries have been current regarding prices having been changed on sulpha drugs, a check with the producers failed to discover any alteration in the schedule that has prevailed for a substantial period of time.

Sterling-Winthrop Research Institute Adds to Staff

Appointment of three scientists to the staff of the Sterling-Winthrop Research Institute, Rensselaer, N. Y., has been announced by Dr. Maurice L. Tainter, vice-president and director.

Dr. Frederic C. Nachod has been appointed senior research chemist in the department of physical chemistry; Dr. Froilan P. Luduena, senior pharmacologist, and Kenneth D. Fleischer, senior chemist in the microanalytical laboratory.

Dr. Nachod replaces Dr. G. W. Ewing, who resigned to become assistant professor of chemistry at Union University, Schenectady, N. Y. The other two are new additions to the staff.

Trade Briefs

Rexall Drug Company, Los Angeles, has elected Arthur S. Barrows to the board of directors. He was formerly president of Sears Roebuck & Co., and is now vice-chairman of its board.

Bjorksten Laboratories, Chicago, has been awarded a contract by the Rhinelander Paper Company, Rhinelander, Wis., to do research in the fields of development and improvement of specialty paper products.

Pennsylvania Salt Manufacturing Company's B-K sales division has revised and brought up to date two of its most widely used leaflets, B-K Sanitation and B-K Bacteria Control for Dairy Equipment. Copies may be obtained by writing to the company offices at 1000 Widener Building, Philadelphia 7, Pa.

Far East-America Council Adds to Staff

In line with its expanded program for promoting American trade with the Far East and India, the Far East-America Council of Commerce and Industry has added to its staff, as director of trade policy, Granville Woodard, who for more than twenty years served as an expert on the Far East in the United States Departments of Commerce and State. The Far East-America Council, formerly the China-America Council, recently announced a change of policy under which the scope of its activity will include, in addition to China, India and the remainder of the Far East.

For the past twelve years Mr. Woodard has been with the Department of State, in the Division of Far Eastern Affairs and on various wartime assignments. The latter posts included assistant chief, Division of Exports and Defense Aid; Department of State representative on the civil aircraft committee; War Production Board; liaison officer with the munitions assignments committee, air and the joint aircraft committee, and member of the policy committee of the Board of Economic Warfare.

Previously, he had served for fourteen years in the United States Foreign Service and with the Department of Commerce. Among his assignments during this period were Vice Consul at Tientsin, trade commissioner at Shanghai and Hong Kong, Far East specialist of the New York office of the Department of Commerce, and West Coast adviser on Far East trade in the San Francisco office of the Department of Commerce.

Polish Phenol Plant Output Increases

The phenol plant at Rybnik, Poland, which resumed operations in July, 1945, after having been stripped of all movable equipment during the occupation, has reached a monthly production of 75,000 kilograms. This compares with the 1945 monthly figure of 12,000 kilograms. Shortage of coke prevents the plants from reaching its prewar capacity of 150,000 kilograms per month.

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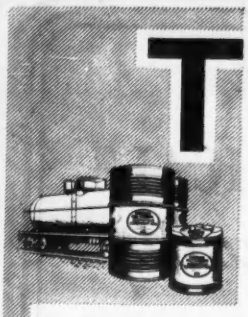

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Yeast Output for Food In Germany Described

OPD Washington Bureau

Continuous production of yeast for food and animal food in Germany by the "Waldhof" method is described in a report now on sale by the Office of Technical Services, Department of Commerce. The method utilizes waste sulphate liquor.

The report, prepared by J. M. Holderby for OTS' Technical Industrial Intelligence Division, supplements several earlier reports on German yeast production.

The Waldhof process, described as "perhaps the most outstanding development in the field of yeast production," is not only continuous, but apparently offers a mechanical solution to the problem of providing a foamy substrate in which the yeast can be grown. The process is used in seven German plants.

Proper neutralization of the waste sulphate liquor is considered critical in the process. Various agents may be used, depending on what is readily accessible at the plant. However, the acidity of the liquor is always kept sufficiently low to prevent growth of contaminating bacteria.

Yeast separation and filtering techniques are considered the least satisfactory parts of the German process, according to the report. The separators are adaptations of those used in the milk industry. They tend to clog with yeast, and the filters are difficult to keep clean. Considerable labor is needed to maintain these units in working order. Conventional evaporators are used to dry the yeast and present no operating difficulties.

The report ("Waldhof Process for Production of Food Yeast": PB-34807; photostat, $1; microfilm, $1), contains the essential details about neutralization of the waste sulphite liquor, the yeast growing tanks, defoaming contrifuge, and yeast separation and concentration.

U.S. Commerce Chamber Plans Marketing Parley

The domestic distribution department of the Chamber of Commerce of the United States will sponsor its next National Marketing Conference at Hotel Stevens, Chicago, on March 10 and 11, 1947.

Some of the subjects to be covered are as follows:—"American Opportunity" Through Advertising, Applying Engineering Principles to Distribution, Consumer Credit, Distribution: A Pipeline to Prosperity; Distributor-Manufacturer Relations, The Importance of Distribution in Our Economy, The Industrial Purchasing Agent and Distribution, Marketing Research Serves Distribution, Personnel in Distribution, Public Relations and the Distributor.

The stated purposes of the conference are to present fundamental facts about distribution and their relation to the job that must be done in expanding markets for goods and services; to reemphasize the need for objective measurement of the effectiveness of the Amrican distribution system, and to promote a fuller understanding of the importance of effective distribution in the American way of living.

N.J. Chemists Groups To Meet December 9

The New Jersey chapter of the American Institute of Chemists will hold a joint meeting with the North Jersey section of the American Chemical Society at the Public Service Auditorium, Newark, December 9.

Speakers will be Foster D. Snell, consulting chemist, whose subject will be "Chemistry: a Profession," and Alden H. Emery, secretary of the ACS, will discuss "What's Ahead for the American Chemical Society."

Drug Motor-Freight Plea in N.E. Denied

OPD Washington Bureau

The Interstate Commerce Commission has denied the application (RRA No. Mc-429) of the New England Motor Rate Bureau, representing major highway carriers, for authority to establish and maintain classification ratings on drugs and medicines, n.o.i.b.n., on the basis of values declared in writing by the shipper or agreed upon in writing as the released value of the property. The commission said that no justification warranting the authority sought had been presented to it.

The New England motor carriers contended that they had no means of knowing the value of a shipment, hence could not arrange adequate insurance protection or proper caution in handling. They asked that drugs and medicines, n.o.i.b.n., in packings other than carboys, carry class 5 rates when valued not in excess of 50 cents per pound, class 4 up to $1 per pound, and class 5 on values in excess of $1 per pound.

Trade Briefs

Penicillin plant will be built in the city of Tbilisi, Gruzia, which will have an annual output of 1,500,000,000 Oxford units.

Rochester Drug Merchants' Exchange, Rochester, N. Y., has increased its authorized capital from $50,000 to $100,000.

Monroe & Crisell's chemical division, Portland, Ore., has purchased a site in that city on which it will construct a new plant.

Cunningham Drug Stores has named Herbert S. Rudolph director of purchases. He has been sundry buyer for the company for the past five years.

Chemical and pharmaceutical products imported into Nicaragua during 1945 had a value of $1,067,798, a 3 percent increase over the 1944 figure of $1,031,360.

Southern Research Institute has added to its staff Dorothy E. Starling, bacteriologist; Adoline Perdue, biologist; Margaret Dishman, chemist, and Jesse C. James, physicist.

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Atomic Energy Forum Planned by APMA

An atomic energy forum will be held at the Waldorf-Astoria hotel, New York, December 10, during the course of the midyear meeting of the American Pharmaceutical Manufacturers' Association.

The forum is designed to advise the pharmaceutical and medicinal professions on atomic energy and its uses for medicinal purposes of basic significance to public health; and to encourage the necessary research for the use of such energy.

Opening remarks at the forum will be made by Charles Wesley Dunn, general counsel for the association. Papers to be presented, and those presenting them, in clude:—

"Atomic Energy in the Physical Sciences," Dr. Samuel K. Allison, director of the Institute for Nuclear Studies at the University of Chicago.

"General Medical Aspects of Atomic Energy," Dr. Frank H. Krusen, head of the section on physical medicine at the Mayo Clinic, and professor of physical medicine at the Mayo Foundation.

"Physiological Reactions to Radioactive Isotopes," Dr. Shields Warren, assistant professor of pathology at the medical school of Harvard University.

"Use of Radioactive Isotopes by the Pharmaceutical Profession," Dr. Paul C. Aebersold, chief of the isotopes branch of the research division at Oak Ridge.

"Nuclear Physics and Medical Research," Dr. G. Failla, professor of radiology and director of the radiology research laboratory at the College of Physicians and Surgeons, Columbia University.

Metal Can Shipments Decreased in September

Shipments of metal cans during September amounted to 318,361 tons, an 8 percent decrease from the 346,966 tons shipped during August, according to a recent report of the Bureau of the Census. Shipments of metal cans during September were 16 percent higher than the 274,000 tons shipped during the same month of 1945.

More than 60 percent of the total shipments for September was accounted for by metal cans designed for packing fruit and vegetable products. The balance of the month's shipments consisted of 282,000 tons of all other food product cans, and 36,000 tons of nonfood product cans.

Metal cans shipped for sale to the trade in September amounted to 278,000 tons, 87 percent of the month's total. The remaining 41,000 tons were for the producers' own use or for use by an affiliate, subsidiary or parent company.

Chemical Production In U.S. German Zone

OPD Washington Bureau

The table below, on production of selected industrial items in the United States zone of Germany, was taken from report No. 6 of the War Department on the condition of industry in Germany. It shows monthly averages attained or expected in the periods noted.

	Tons		
	1938	1946 (7 mos.)	1949
Acetaldehyde	.....	1,330	.....
Acetic acid	.....	312	.....
Acetone	.....	85	.....
Calcium carbide	.....	13,858	.....
Chlorine	.....	1,710	2,200
Cleansing agents	.....	3,920	*3,000
Coaltar, crude	†4,200	2,151	.....
Cyanamide (N_2 basis)	4,400	2,909	3,750
Dyes, ready for sale	.....	103	900
Hydrochloric acid (30% HCl)	.....	2,620	.....
Insecticides	.....	826	.....
Nitrogen compounds, n.e.s. (N_2 basis)	2,200	557	.....
Paints, varnishes, lacquers	.....	2,480	3,500
Phosphates (P_2O_5 basis)	1,650	194	2,000
Potash (K_2O basis)	14,600	6,471	20,000
Slag, Thomas (P_2O_5 basis)	550	195	.....
Soap	.....	1,016	2,200
Soda ash	3,200	3,698	14,000
Soda, caustic (Na_2O basis)	.....	2,173	2,000
Sulphuric acid (SO_3 basis)	.....	1,496	12,500

* Excludes scouring powders.
† In 1936.

Sun Ray Drug Co. Management Shifted

Morris Soble and Bernard Weinberg have retired from the Sun Ray Drug Company, Philadelphia, leaving Harry S. Sylk as president, and William H. and Albert J. Sylk as vice-presidents.

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1. Reagent in making dye lakes.
2. Ingredient of oil or spirit lacquers.

Ammonium Phosphate, primary, monobasic, C. P.
1. In the fireproofing of wood, paper, and textiles.
2. In manufacture of yeast, vinegar, yeast foods, and bread improvers.

Ammonium Phosphate, secondary, dibasic, C. P. (A. C. S.)
1. Catalyst in making dimethylpiperazin and guaiacol.
2. Reagent in making ammonium phosphotungstate and ammonium phosphomolybdate, and in refining sugar.
3. Ingredient of food for promoting fermentation.
4. Ingredient of electroplating liquors, flux in soldering metals, and fireproofing materials.

Ammonium Acetate, C. P. (A. C. S.)
1. Reagent in making ammonium salts, chloralamide, methyl cyanide, succinimide, and various other organic chemicals.
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Penicillin Manufacturers Organize in Japan

An Association of Penicillin Manufacturers has been established in Japan to exchange information, develop a method of testing, increase production and control distribution of penicillin.

Dr. Jackson W. Foster, associate professor of bacteriology, on leave from the University of Texas, to act as penicillin consultant to General McArthur, has announced that the Japanese have begun a comprehensive program designed to produce penicillin on a large scale.

Monsanto Gets Approval For Plant Expansion

The Monsanto Chemical Company, St. Louis, has received government approval for an estimated $4,000,000 expansion of its Monsanto, Ill., plant facilities. The program, the company said, involves five separate projects:—enlargement of chlorine and laboratory facilities, new facilities for the production of miscellaneous chemicals, an enlargement of facilities for the manufacture of wood preservatives, and expansion of the plant boiler house.

The expansion, to be substantially completed by the end of 1947, will bring greater production of synthetic detergents and chemicals for penicillin, in addition to wood preservatives and chlorine.

The company also announced the opening December 1 of a sales office in the Keith Building, Cleveland, to serve the greater Cleveland area. Robert H. Baugh will supervise the office and represent Monsanto's phosphate division sales in the area. T. C. Tupper will represent the company's organic chemicals division, and R. T. Clark the Merrimac division.

McCormick & Co. Offers Common Stock to Employees

McCormick & Co., spice manufacturer, Baltimore, has been authorized by its stockholders to sell 4,000 shares of its unissued or treasury common stock to officers and employees of the corporation, particularly to the younger executives and returned service-men in the organization. The resolution, presented at a meeting of the stockholders stipulated that the stock will be sold under such terms and conditions, and for such prices and in such amounts as the senior board of directors in its sole discretion may determine. The resolution was unanimously approved.

Moncharsh Leaves OPA

OPD Washington Bureau

The resignation of George Moncharsh, deputy administrator for enforcement, has been announced by the Office of Price Administration. His post will be filled by William E. Remy, now director of the rent and durable goods enforcement division. Mr. Moncharsh, whose home is in Berkeley, Calif., leaves to resume the practice of law in San Francisco.

Winthrop Advances Mills

Sidney C. Mills has been appointed administrative assistant to the president and assistant treasurer of the Winthrop Chemical Company, New York.

Barnes Succeeds Textor in WAA

OPD Washington Bureau

The appointment of Harold A. Barnes, former Army Deputy Quartermaster-General, as Deputy Administrator for Plans and Policies in War Assets Administration, has been announced.

Mr. Barnes, an Army Brigadier General, succeeds Gordon E. Textor, Army Colonel, who has been recalled to active duty for assignment of Chief Engineer, Eighth Army, which is presently at Yokohama, Japan.

Mr. Barnes was detailed to WAA last Spring by the War Department to be chairman of the committee which set up the organizational structure and administrative procedures for WAA. Recently he was appointed a member of the newly established Administrator's Advisory Council in WAA. During the war he was Chief of the Organized Planning and Control Division, Office of the Quartermaster General, becoming Deputy Quartermaster General in March, 1943.

Citrus Seed Oil Plant Nears Completion

The Hutchman Company, recently organized at Lakeland, Fla., is nearing completion of its citrus byproducts plant designed to produce citrus seed oil. The oil, claimed suitable for use in the manufacture of plastics, rubber articles, foodstuffs, soaps and skin preparations, will be marketed under the trade name "Glo Seed Oil."

As there is no other plant of its kind in the United States, all steps of the process and much of the equipment had to be engineered in new territory. When completed, the plant is expected to cost in excess of $250,000.

Adipic Acid Unit Planned at Tex. Plant

E. I. du Pont de Nemours & Co. Wilmington, Del., has announced plans for an additional unit to the Sabine River Works, which is being built on a site three miles outside of Orange, Tex. The new unit is to make adipic acid, an important component in the manufacture of nylon.

General Electric Adds To Chemical Dept. Staff

Appointment of Robert O. Bullard, Edward L. Hubbard and John A. Beals to administrative positions in the metallurgy division of the General Electric Chemical Department has been announced by Dr. Zay Jeffries, vice-president and general manager of the department. Simultaneously, the company announced transfer of responsibility for the manufacturing and engineering operations of permanent magnets and other metallurgical products to the chemical department.

Mr. Bullard, who has been superintendent of the carbon products manufacturing division of the apparatus department, will be engineering and manufacturing manager of the metallurgy division. Mr. Hubbard, who has been sales representative for the apparatus department in Detroit, will become sales manager and Mr. Beals, who has been in the company's travelling auditor's staff, will become division accountant.

Argentina Gives Trade Group Right to Many Export Permits

Exclusive right to export permits for tannin, ethyl alcohol, tallow, fats, sugar and by-products and any other commodities which may be listed at intervals, has been granted the government-owned Argentine Trade Promotion Institute by that nation. Producers of those products will probably be required to sell exportable surpluses to the institute, as was the past custom with grains.

Trade Briefs

Haiti government has decided to act as sole importer of laundry soap into that country to insure proper distribution and uninflated prices.

Vegetable oil output in French Morocco during 1946 has been estimated at 6,000-7,000 metric tons, against potential annual needs of 45,000 metric tons and an annual crushing capacity of 50,000 metric tons.

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PERC S. BROWN
VICE PRESIDENT

October 24, 1946

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First: We want all of our customers now using VITAB Rice Bran Concentrate to continue to use it knowing that it will not be priced out of a useful range;

Second: We want our present customers and prospective customers to consider using it in additional or new products with confidence.

We further are also very glad to voluntarily pledge to you that as soon as technological improvements in the product can be brought to bear by us, or as soon as costs begin to recede, or both, our long-range intention is to furnish a further improved product at lower cost to you.

The price or cost of so many things is skyrocketing these days and for a while may skyrocket further, we rather felt that a declaration of our policy as regards VITAB Rice Bran Concentrate would be welcomed by our friends.

Sincerely,

Perc S. Brown

Perc S. Brown, Vice President

PSB...s

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Industrial Applications

—Continued from page 7

for decorating and protecting glassware.

Leather—Plasticizer (U.S. 1893283) in compositions, containing cellulose derivatives, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods.

Metal Fabricating—Plasticizer (U.S. 1893283) in compositions, containing cellulose derivatives, used as coatings for protecting and decorating metallic articles.

Miscellaneous — Plasticizer (U.S. 1893283) in coating compositions, containing cellulose derivatives, used for protecting and decorating articles of various kinds.

Paint, Varnish, and Lacquer—Plasticizer (U.S. 1893283) in paints, varnishes, lacquers, enamels, and dopes containing cellulose derivatives.

Paper—Plasticizer (U.S. 1893283) in compositions, containing cellulose derivatives, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp.

Photographic—Plasticizer (U.S. 1893283) in making films from cellulose derivatives.

Plastics—Plasticizer (U.S. 1893283) in making laminated fiber products, molded articles, plastics from or containing cellulose derivatives.

Resins—Plasticizer (U.S. 1893283) in making artificial resins from or containing cellulose derivatives.

Rubber—Plasticizer (U.S. 1893283) in compositions, containing cellulose derivatives, used as coatings for protecting and decorating rubber goods.

Stone—Plasticizer (U.S. 1893283) in compositions, containing cellulose derivatives, used as coatings for decorating and protecting artificial and natural stone.

Textile—Plasticizer (U.S. 1893283) in compositions, containing cellulose derivatives, used in the manufacture of coated fabrics.

Wood—Plasticizer (U.S. 1893283) in compositions, containing cellulose derivatives, used as protective and decorative coatings on woodwork.

N-Methylpyridinium Formate

Rubber—Accelerator (U.S. 2131244 and 2131245) in rubber vulcanizing processes.

Oleylpyrogallol

(Additional uses—supplementary to information in the book, Uses and Applications of Chemicals and Related Materials.)

Fats, Oils and Waxes—Antioxidant for fats and oils.

Ink—Antioxidant for printing inks.

Soap—Antioxidant for soaps and soapstocks.

Orthonitrophenyl Propylsulphide

Petroleum — Addition agent (U.S. 2134432, 2134433, 2134435 and 2134436) for lubricants for bearing surfaces (one of which is an alloy of cadmium or copper) of internal-combustion engines.

1-Para-aminobenzenesulphoamido-5-ethoxybenzothiazole

Pharmaceutical — Claimed (Brit. 517272) as therapeutically useful new compound.

Para-(4-ethoxyanilino)phenoxide

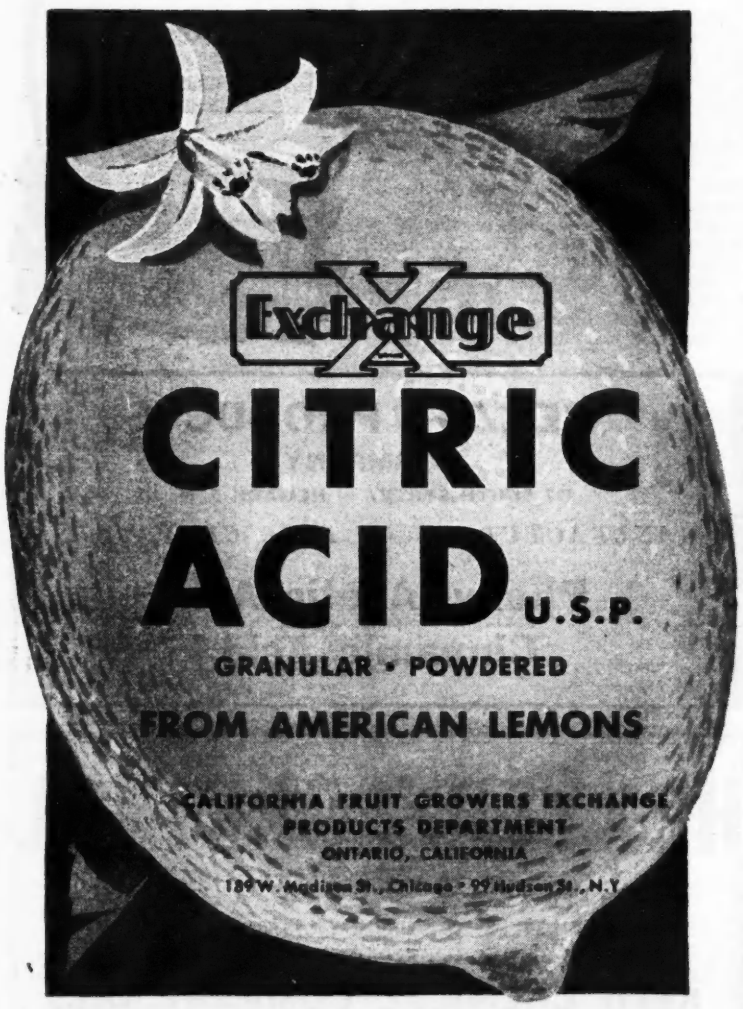
Rubber—Starting point (U.S. 2128100) in making antioxidants for rubber by alkylating in the presence of an inert solvent and sufficient sodium hydroxide to maintain alkalinity.

Paraisopropanesulphonylbenzoic Acid

Dye—Reactant (Brit. 549640) in making—brilliant scarlet to red anthraquinone dyes of good light-fastness.

Parapropanesulphonylbenzoic Acid

Dye — Reactant (Brit. 549640) in making brilliant scarlet to red anthraquinone dyes of good light-fastness.



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Subsidy Pay to Date Totals $138 Million

OPD Washington Bureau

Subsidy payments authorized by the Price Control Extension Act of 1946 have totaled less than $138,000,000 thus far, Reconversion Director John R. Steelman has announced. Additional payments for continuing programs and on obligations previously assumed will total about $74,000,000 by the end of the current fiscal year.

On the basis of estimates submitted by the Reconstruction Finance Corporation and the Commodity Credit Corporation, Mr. Steelman said, it appears likely that almost $790,000,000 of the $1 billion authorized for subsidy payments by the Price Control Extension Act will be saved.

The President's price decontrol decision on November 9, Mr. Steelman said, automatically ended most of the subsidy operations undertaken by the Reconstruction Finance Corporation and the Commodity Credit Corporation in support of the economic stabilization program.

The Reconstruction Finance Corporation, however, will continue the copper, lead and zinc premium price plan and the stripper oil well subsidy program. Congress required the continuation of the former until June 30, 1947, and authorized the continuation of the latter without regard to price decontrol actions.

The Commodity Credit Corporation, likewise, will continue the programs supporting the prices paid growers of sugar beets and sugar cane in this country and absorbing a portion of the price of cane sugar from Cuba, Hawaii, Puerto Rico and the Virgin Islands.

Mr. Steelman said the Reconstruction Finance Corporation submitted the following schedule of estimated subsidies and anticipated losses under the programs authorized by the Price Control Extension Act during the period from July 1, 1946, through November 9, 1946:—

Wood Pulp	$1,700,000
Binder Twine	700,000
Agave Fiber	3,000,000
Meat	50,000,000
Coal (excess transportation costs)	7,000,000
Alcohol	2,000,000
Copper	2,250,000
Lead	1,300,000
Tin	2,400,000
Lead Residue	11,000
Antimony	150,000
Steel Sheet Bars	750,000
Stripper Wells	10,800,000
Premium Price Plan	25,000,000
Rubber (wartime commitments in South America and Africa)	12,000,000
Total	$119,061,000

The Department of Agriculture submitted the following schedule of subsidy payments and obligations covering the same period:—

Sugar	$18,120,000
Peanuts	200,000
Barley for feed	45,000
Total	$18,365,000

In addition to payments already made, Mr. Steelman said, the Reconstruction Finance Corporation estimates that the premium price plan for copper, lead and zinc will entail obligations of $7,700,000 for the remainder of 1946 and $27,300,000 for the first six months of 1947.

The removal of price controls on copper, lead and zinc, Mr. Steelman said, will not interfere with the operation of the premium price plan since market prices for these basic metals are now used instead of ceiling prices in calculating the premium payable.

The stripper oil well program, if continued on its present basis, would entail additional estimated payments of $4,200,000 during the remainder of 1946 and $7,500,000 in the first half of 1947. Additional losses on rubber from South America and Africa for which wartime commitments were made are estimated at $4,000,000 for the remainder of 1946 and $15,000,000 for the first half of 1947.

Under the Department of Agriculture sugar programs, additional obligations totaling $1,690,000 for the remainder of fiscal 1947 and approximately $6,980,000 for fiscal 1948 have been assumed.

Under subsidy provisions of the Price Control Extension Act, Congress authorized maximum payments of $100,000,000 for the premium price plan for copper, lead and zinc; $31,000,000 for rubber produced in Latin America and Africa for which commitments were made before January 1, 1946, and $869,000,000 for non-crop programs, 1946 crop program operations relating to sugar, flour, petroleum, petroleum products and other domestic and imported materials and commodities.

Trade Briefs

United-Rexall Drug Company, Los Angeles, has appointed Cleve W. Carey assistant retail advertising manager.

White arsenic production in Peru during 1945 amounted to 4,400 metric tons, compared with 6,889 tons in 1944. Of this production 4,003 tons were exported in 1945 and 4,020 in 1944.

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American Can Expands Research Facilities

American Can Company's research facilities at the central laboratory in Maywood, Ill., have been enlarged 25 percent with the completion of the remodeling of a third building. Most of the increased space will be allotted to the metallurgical, biochemical, bacteriological, fibre container, food inspection, and engineering groups.

One of the major activities of the metallurgical group in recent years has been research to improve the corrosion resistance of plain electrolytic tinplate, and this work will be continued on an expanded scale. The biochemical group will intensify its studies of the nutritive values of canned foods. In the new building it will have additional hot and cold storage rooms for learning more about the effects of warehousing on quality and vitamin retention of canned foods.

Schering Corp. Award Won by Medical Student

Bent G. Boving, a student at Jefferson Medical College, Philadelphia, has won the $500 first prize for the best essay on "The Role of Hormones in Sterility," which is offered annually by the Schering Corporation, pharmaceutical manufacturer, Bloomfield, N. J. The subject for the 1947 prize will be announced in the near future.

St. Regis Paper Elects Seven New Officers

Roy K. Ferguson, president of the St. Regis Paper Company, New York, announces the election of seven new officers of the St. Regis Sales Corporation, the company's sales subsidiary.

They are:—Mason F. Ford, executive vice-president and South American manager; Thomas H. Cosford, executive vice-president and Canadian manager; Reginald L. Vayo, executive vice-president and director of sales of kraft pulp; William H. Anders, executive vice-president and manager of the Nashua River division; Edgar Hoppe, vice-president and European manager; Burton A. Ford, vice-president, multiwall bag division and C. A. Brothman, comptroller.

Chemical Workers Weekly Earnings Up

Weekly earnings of factory workers in chemical and related fields showed a light increase in September, as compared with August. A breakdown of the weekly earnings for the chemical and allied industries follows:—

Average Earnings

	Weekly		
	Sept., 1946	Aug., 1946	July, 1946
Chemical and allied products	$45.35	$44.94	$44.67
Ammunition	44.05	39.53	42.65
Chemicals	52.61	51.81	52.09
Cottonseed oil	31.36	30.97	29.67
Drugs, medicines, insecticides	39.08	38.95	38.42
Explosives, safety fuses	50.98	48.37	47.96
Fertilizers	35.74	35.09	34.11
Paints and varnishes	46.63	47.41	46.62
Petroleum refining	58.35	57.10	57.02
Rayon, allied products	43.65	42.62	41.08
Soaps	47.29	47.21	47.08

Bios Laboratories Organized in N.Y.

The Bios Laboratories have been organized by Dr. Fred Linsker, with headquarters at 607 West Forty third street, New York. The company is engaged in the production of rare aminoacids and research chemicals. Dr. Linsker, formerly with Evans Associates, is president and director of research in the new firm.

R.K. Snow Heads Midland Sister Kenny Campaign

R. K. Snow, who recently retired from the position of assistant manager of pharmaceutical sales with Dow Chemical Company, Midland, Mich., is serving as chairman of the Midland committee on the founding of the Sister Kenny Foundation to provide treatment for victims of infantile paralysis.

One of the first activites of Mr. Snow's committee was the arranging, in cooperation with the Elizabeth Kenny Institute, Minneapolis, of airplane transportation to the institute of Bruce I. Ovaitt, a member of the Dow sales personnel.

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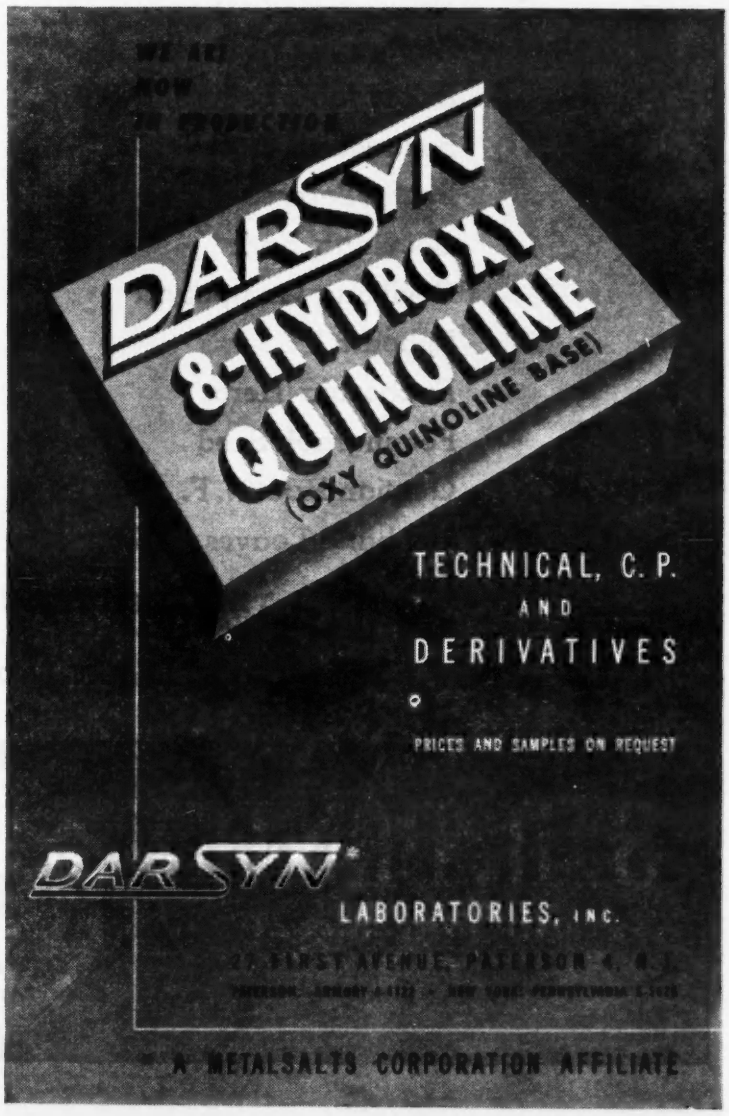

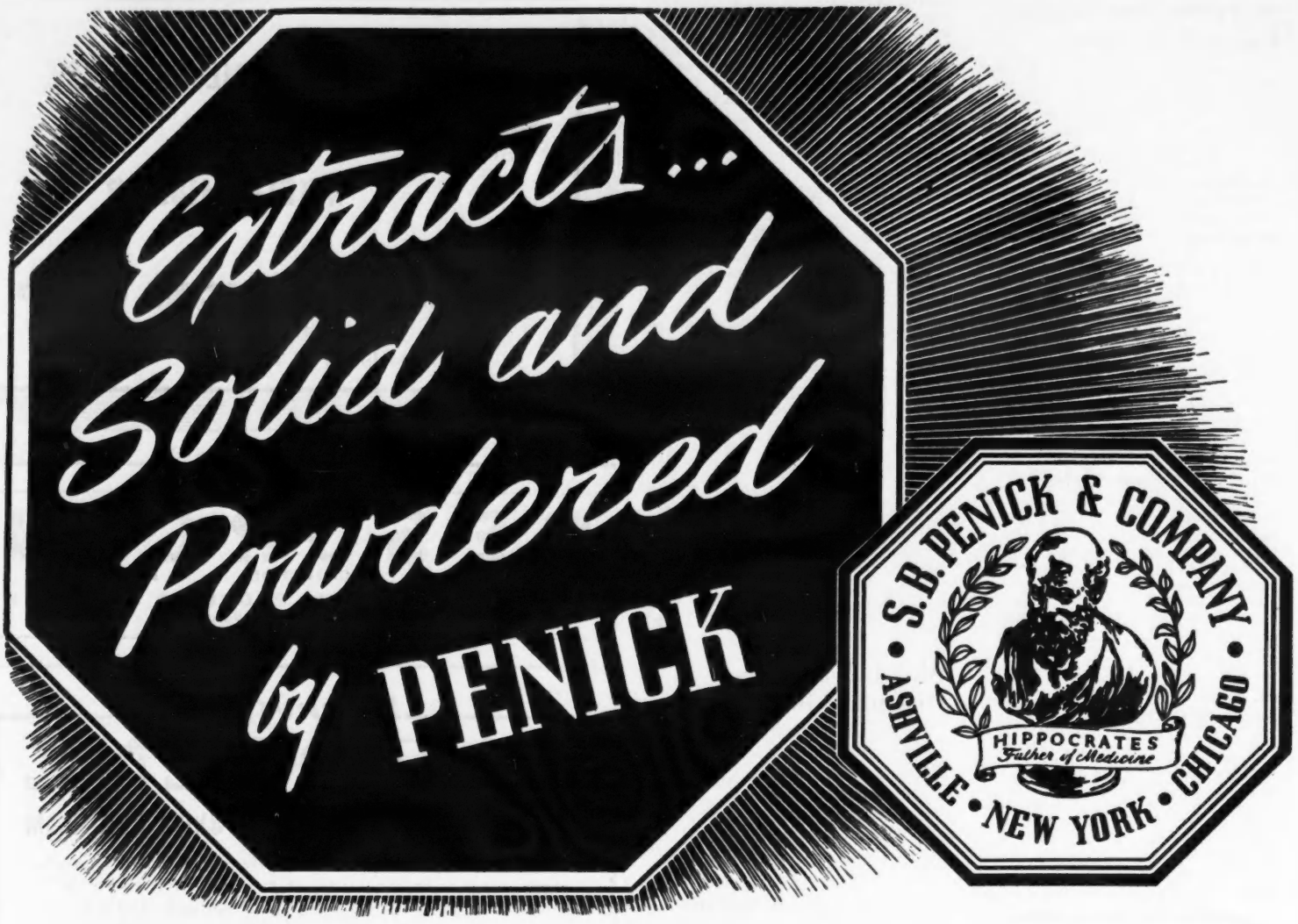

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Botanical Drugs, Spices, Gums

The approach of the last month of the year tended to reduce buying of botanical drugs last week. Curtailment of new orders and reduction in calls arising from pressing necessity held volume down to a conservative total without materially affecting the general price structure. This fall in trading was within the limits set by normal experience in most years. As the time draws near for the annual taking of stocks, purchasing agents tend to hold aloof from the market save for needs that cannot be held in abeyance until the turn of the year. Such was the situation last week and dealers in botanical drugs expect that the balance of this year will be a quiet period so far as sales are concerned.

One feature often found in many years will be lacking. Reference is made to the necessity for inventory reductions through the medium of more attractive pricing of merchandise. No dealer today holds too much botanical drug merchandise. Stocks at the end of this year are conservative in the extreme and they represent, on the average, a high level of costs. No consumers holds more goods than he will probably require between now and the market of the 1947 crop.

The last month of the year has arrived with prices showing strength and in many instances standing higher than in January. Foreign botanicals are available in larger quantities than a year ago but they were still no where normal reserves because not all the goods shipped here were permitted entry; the quality was not high enough. Values are expected to hold firm and the market to lack excessive competition.

Balsams

Copaiba—Demand improved moderately but buyers found it still difficult to obtain prompt delivery of more than moderate quantities of either variety of this material.

Fir—This article was definitely firm on the basis of the recent price advance on Canadian balsam. Sellers were disposed to be reserved. Stocks were conservative in size.

Barks

Buckthorn—Although demand did not press strongly, it was present in sufficient volume to confirm the recently very firm position of prices on spot. Stocks were not ample in any quarter.

Cinchona—Sellers look forward to restocking normal supplies of pharmaceutical bark in 10 inch and 20 inch quills. It is hoped that business with the Netherlands East Indies will be resumed direct between shippers and importers with the result that normal stocks of high test bark may be restored locally.

Cocillana—Seasonal demand was still current locally and sellers' stocks underwent considerable shrinkage during the past week. They have not been large at any time this Fall and dealers now look forward to a very small carryover, if any.

Soap—Demand was of the routine variety and was met by a market not especially competitive at this time. Spot prices have dropped to a position well in line with the present replacement costs in Chile.

Beans

Tonka—A firm market prevailed locally and the movement was along lines common to the market most of the time. Prices were well maintained in line with the current replacement cost at the source.

Vanilla—Much of the vanilla reaching here of late has gone to new owners — manufacturing consumers who had purchased some time back. The spot market contains little unsold vanilla in the hands of dealers whose committments to buyers have been sufficient to account for most of the merchandise reaching or about to reach this country. Prices were generally very firm.

Berries

Juniper—During the past week, 249 bags of these berries reached here from Naples, Italy. The item arrives steadily and at present the market is more than reasonably well supplied with goods.

Saw Palmetto—The primary market has advised little on this item for some time past and inquiries regarding the prospects for an ample supply reach this spot rather consistantly. Local dealers merely quote a firm market. It is hoped that definite information will be forthcoming from the Floridian collectors.

Flowers

Arnica—Goods continue to reach here from Europe and the Food and Drug Administration continues to detain some of the arriving parcels. Last week, 75 bags reached here from Genoa and the FDA detained 59 bags because insect infestation.

Chamomile—Values were exceptionally firm on spot. Competition was a negligible element in trade as most sellers were reserved and held unbending ideas regarding the value of their released stocks.

Clover—Demand was routine and mainly for jobbing quantities throughout the past week. The undertone of the market was held mainly steady by reason of the lack of large unsold stocks in the hands of dealers.

Pyrethrum—Flowers continue to reach here from Mombassa. The most recent arrival totaled 1,150 bales. It would be surprising if the first arrivals of Japanese pyrethrum should come from Australia. Such a possibility is not remote since correspondents of potential Australian shippers have received proposals to do business in the Japanese article.

Safflower—An arrival of 6 bags of this item originating at Alexandria., Egypt, was noted last week. It came to an almost bare market and will sell at very steady prices because of the first cost in the primary market.

Saffron—Not a great deal of activity was reported but the market lacked unsettlement and values displayed

Market Trends

Prices Advanced

Drugs

Senega root, 10c. per lb.

Other Articles

Clove, Madagascar, ¾c. per lb.
Cumin seed, Persian, 1c. per lb.
Syrian, 1c. per lb.
Mace, West Indian, 10c. per lb.
Marjoram, Chilean, ½c. per lb.
Pepper, black, 3c. per lb.

Prices Reduced

Drugs

Angostura bark, 6c. per lb.
Gum benzoin, Sumatra, 10c. per lb.
mastic, 20c. per lb.

Other Articles

Anise, Mexican, 3½c. per lb.
Cassia, Saigon, all medium, 1c. per lb.
4-10-4, 2½c. per lb.
Celery seed, India, ½c. per lb.
Ginger, African, ½c. per lb.
Cochin, unbleached, ¼c. per lb.
Mustard seed, Montana, oriental, source, ¼c. per lb.
Pepper, red, Carolina, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
295.4	294.6	294.8	252.9

(For Current Prices see Page 9)

Imports Detained by FDA

Week Ended November 22, 1946

New York

Arnica flowers, 59 bags: insect infested.
Cassia, 1,226 bales: insect infested.
Cassia oil, 30 drums: not U.S.P.
Carragaheen moss, 140 bales: filthy.
Coriander seed, 485 bags: insect infested.
Cumin seed, 62 bags: insect infested.
Kola nuts, 100 bags: insect infested.
Mace, 105 cases: insect infested.
Manioc meal, 1,010 bags; insect infested.
Nutmegs, 672 bags: wormy.
Olive oil, 142 drums: Decomposed; contaminated with gasoline.
Pepper, black, 1,578 bags: insect infested; excessive siftings and pickings.

Baltimore

Liver extract pills, 1 parcel: not U.S.P.

Philadelphia

Capsicums, 113 bags: filthy.

For Late Market Developments, See Page 4

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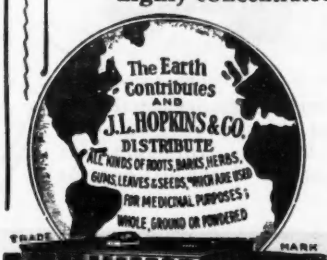
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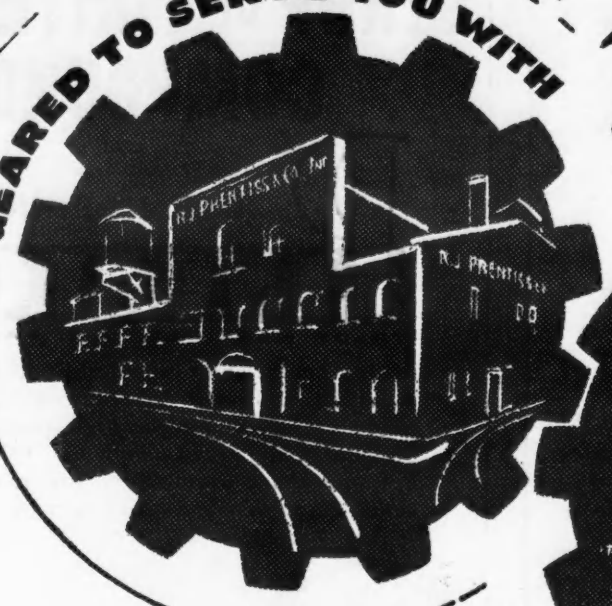

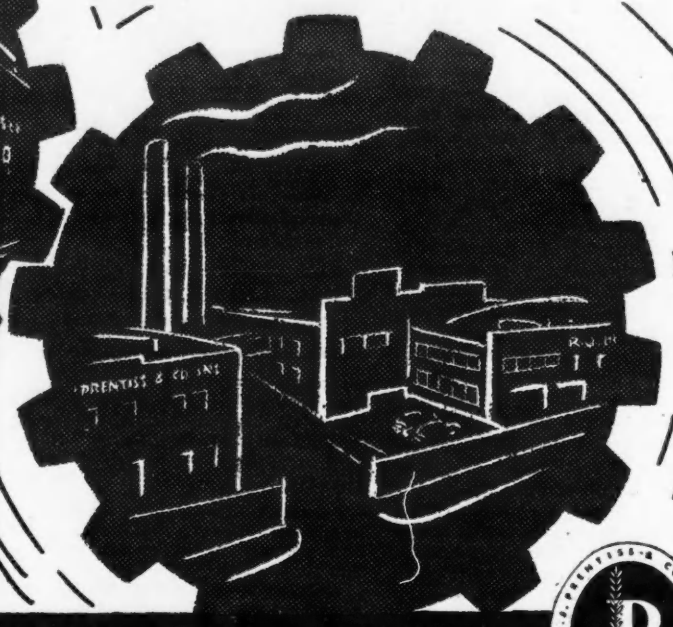

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complete firmness throughout the period so far as Spanish flowers were concerned.

Gums

Arabic—Substantial quantities of this gum continue to keep the country well supplied with prompt delivery material. The latest total of arrivals was 6,320 bags that reached here last week from Port Sudan. Demand was more than sufficient to grant full support to prevailing prices. In fact, the price structure appeared to have gained in firmness by the close of last week.

Aloe—An arrival of 400 cases from Aruba went direct to a manufacturing consumer and hence will not reappear on the spot market. Also 98 crates reached here from Capetown, South Africa, for the account of a local dealer. Pricewise, the market held steady.

Benzoin—Stocks increase steadily, the latest gain being 80 cases that reached here from Singapore. Spot quotations on Sumatra gum have eased to 90% to $1 per pound as competition broadens parallel with the increase in supplies.

Camphor—Synthetic camphor was advanced 12c. per pound, making the U.S.P. article minimum at 81c. per pound for powder or granular material, and 94c. for goods in tablet form. This advance was caused by the steady rise in the cost of raw material since price controls were ended. Small lots of powder and granulat material bring 83c.; tablets, 96c.

Herbs and Leaves

Buchu—The arrival of 8 bales from Capetown, South Africa, did nothing to ease the spot position held by prices. Values continued firm and competition remained a negligible factor in local operations.

Catnep—Some dealers reported the article unobtainable at the source. There was not too much available on the spot. The market held very firm but not much buyer interest was disclosed.

Marjoram—Chilean material sold in liberal quantities for both spot and import last week and values locally worked up to 9c. to 9½c. per pound under the impact of the trading.

Sage—Recleaned, good quality Cyprus leaves were higher at 25c. to 26c. per pound and future arrivals were up to 19c. to 19½c. Some Syrian leaves became available at 25½c. to 26c. per pound. Other varieties of the item lacked quotable change.

Senna—Holding very firm and subject to steady consuming demand. An arrival of 99 bales from Alexandria, Egypt, was noted last week. Little price competition was possible on spot.

Miscellaneous

Areca Nuts—The market for powder was reported as being steadier but lacking in new price development. Demand was steady but thoroughly routine throughout the entire week.

Cantharides—China is shipping this article with substantial regularity, the latest arrival being 20 cases that reached here from the British crown colony of Hong Kong. They failed further to lower prices but the market was becoming more competitive. Little Russian material reaches here and little could find a market at the prices last asked for that article.

Corn Silk—Stocks have been replenished to the extent of 70 bales that reached here last week from Genoa, Italy. They still have to run the gauntlet of the Food and Drug Administration before being released for consumer sales.

Ergot—During the past week, 5 drums reached here from Portugal. Also, 620 bags came from the same country—and goods reaching here in bags do not conform to the shipping container requirement of the United States Pharmacopoeia.

Lycopodium—The market seems more clearly defined as to price, being quoted on a firm basis at $2.50 to $3 per pound. Immediate interest in the article was confined to jobbing quantities during the past week.

Papain—The market holds very firm and the supply wa not too ample in any direction. During the period 8 chests and 11 cases were reported arriving, the former coming from Colombo and the latter from Mombassa.

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Benzoin	12 oz.
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Aloe, Socotrine	1 oz.
Peru balsam	2 oz.
Tolu balsam	4 oz.
Myrrh	1 oz.
Angelica root	½ oz.
Liquorice extract	4 oz.
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Digest for 10 days and then strain. The quantity of rectified spirits should be measured in old wine pints.

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Roots

Aconite—The limited quantity of root available on spot occupied a steady to firm price position regardless of the absence of more than jobbing interest during the past week.

Aletris—Jobbing business was good and consumers found the market lightly stocked with root maintained at definitely firm prices throughout the past week. Country dealers have little more to ship dealers here.

Arrow—The market was virtually nominal since demand ran ahead of supply and the leading suppliers find it impossible materially to increase the stocks available for prompt deliveries out of spot supplies.

Blood—Trading was moderately active and proved more than sufficient to make for the steady maintainence of prices.

Burdock—While the supply was not generous in size, it seemed sufficient to cope with the present volume of consumer request. Prices were fully steady in all directions.

Gentian—An arrival of 188 bales from Marseilles, France, was reported last week, increasing the already excellent spot supply of this merchandise. Demand was steady but entirely routine.

Goldenseal—Although some export inquiry was in the market, it was not confirmed that substantial business of that sort could be done even though the supply of root be much larger than actually it is at this time.

Jalap—Advices from Mexico indicated that values were well held there and that shippers were not the least disposed to accept bids however reasonable. Spot demand was not very active last week but prices held very firm.

Mandrake—Definitely firm although demand on new accounts was not very active. Contract buyers accepted tenders promptly and found full prices being sturdily maintained by the leading dealers.

Rhubarb—During the past week, 40 cases of this root reached here from Hong Kong. The British say that the United States has something of an inside when it comes to getting Chinese to part with their merchandise generally, including rhubarb.

Senega—Quotations were higher at $2.50 to $2.75 per pound and some quarters allege sales made at the outside of the range. There is no great amount of root available on spot at present and values in the domestic primary market are developing new strength.

Seeds

Anise—Mexican seed was again offered out of spot stocks at a price of 45c. to 46c. per pound, being a decline from the previous quotations.

Celery—Indian seed on spot was fractionally lower, selling in a fair way at 24½c. to 25c. per pound.

Coriander—No more Morocco seed was available following sales that wiped out the recent offering at 8c. to 8½c. per pound.

Cumin—Future deliveries of Syrian seed were higher at 43c. to 43½c. per pound. Persian futures were up to the same position. Other varieties lacked quotable change. Imports from various sources totaled 891 bags last week.

Mustard—Oriental seed from Montana was shaded to 8½c. to 9c. per pound. All other varieties of mustard seed held free from change. During the period under review, 711 bags arrived here from Copenhagen and 150 bags reached here from Rotterdam.

Spices

Cassia—The sole change in prices came in Saigon cassia which was lower at 42c. to 43c. per pound for all medium and 41½c. to 42c. for the 4-10-4.

Cinnamin—Future arrivals of No. 2 Ceylon were offered at $1.25 to $1.30 per pound for spot consumption and at $1.15 for export.

Clove—Madagascar spice on spot was up to 13¼c. to 13¾c. per pound and futures rose to 13¼c. to 13¾c.

Ginger—African root was shaded to 15c. to 15½c. per pound. Cochin, unbleached, was down to 15¼c. to 15¾c. Jamaica root held unchanged.

Pepper—Black pepper was priced higher at 87c. to 89c. per pound on spot but goods due in December were shaded to 51c. to 52c. Carolina red pepper was on a firm basis at 54c. to 55c. per pound.

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Essential Oils, Other Aromatics

Brisk trading marked the essential oil market last week as both flavoring and perfumery materials found ready buyers. Prices were, in general steady to firm, and advances were noted in cajeput, Ceylon citronella, and bourbon vetiver. NF anethol and patchouli were reduced. Imports were relatively small in volume, but included a large number of oils.

Buying in the flavoring oils was greatly improved last week after the quiet market of the previous week. Perfumery materials were moving well as manufacturers prepared for Easter, Mother's Day, and the other Springtime holidays which suggest scented gifts. The market was said to be in good shape generally, with large factors supplying the majority of the impetus as they recouped from the position they were forced into during the war.

Advances and declines in price last week reflected the supply position of the oils and derivatives more faithfully than they did buyer interest. Those items which were quoted at a higher price, had been firming during the prolonged period of shortages, while those offered at lower prices had gradually been slightly less steady week after week as larger quantities became available. Buyer interest was at a high, healthy level in the majority of the oils, and there was little indication that it would reduce materially in the near future.

Last week was highly successful, from the import point of view, as eighteen different oils entered the American market. Large volume shipments were the exception, but the situation was far more desirable than the rare arrivals of small lots which had typified the market for so many months.

Market Trends

Prices Advanced

Cajeput oil, tech., dms., 45c. per lb.
Redist., USP IX, cns., 46c. per lb.
Citronella oil, Ceylon, cns., 25c. per lb.
Vetiver oil, Bourbon, cns., $1.50 per lb.

Prices Reduced

Anethol, NF, dms., 5c. per lb.
Patchouli oil, imported, cns., $10.00 per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
227.0	226.3	228.5	222.4

(For Current Prices see Page 9)

Essential Oils

Anise—Shipments of oil, which had been entering the American market with heartening regularity and in good volume in recent weeks, continued at a moderately high level last week as ten drums arrived from Hong Kong. Low-priced stocks featured the trading while high-priced stocks were reported to remain bogged down. Prices held steady at the previous levels.

Bergamot—Improving stocks which brought about a price reduction several weeks earlier, continued to grow last week as it was reported that 140 half cases of oil arrived in American ports fram Italy. Buyer interest was excellent, and it was said that trading in many quarters was brisk. Prices were steady and unchanged.

Cajeput—Although the closing of the official marketing agency, through which all purchases of this oil had to be made, was expected to have a salutory affect on availability, the trade still found the item tight after several weeks of free business. Prices were advanced 45c. per pound last week establishing a range of from $2.70 to $2.90 per pound.

Cardamom—On the heels of the price increase noted two weeks previous, a higher outside price was effected last week as one dealer offered the oil at $26.00 per pound. The range established by the change was from $19.00 to $26.00 per pound. The sharply rising costs in the Indian market continued to exert a strong influence on the American market, and as prices firmed the general opinion was that no relief would be forthcoming for some time.

Cassia — Stocks were gradually rounding into a favorable position last week as imports totaled five drums from Hong Kong. This quantity was considerably below the shipments arriving during the previous week, but indications were that the flow in the future would be at a steady rate, and the general attitude was one of optimism. Prices held steady at the levels in force after the recent decrease.

Cinnamon—Arrival of five drums of leaf oil from Kenya Colony, British East Africa, did little last week to relieve the shortage which had hampered the cinnamon oil market for many months. Bark oil was in particularly short supply, and it was not expected that any large quantities would be entering American ports for an indefinite time. Prices remained firm at the levels which have been in force for many weeks.

Citronella— Prices for Ceylon oil advanced 25c. per pound last week as demand was lively and shortages persisted. The oil was offered in a range of from $2.10 to $2.75 per pound, with prices holding steady to firm at the new levels. High source prices continued to plague dealers and consumers alike, but a moderate supply was beginning to develop with indications that availability would improve and needs would eventually be met at the advanced prices. Imports during the week amounted to five drums from Ceylon.

Eucalyptus—Shortages continued to hamper trading last week as prices were firming. The import position of the oil was slightly improved and showed promise of further development in that direction, but the situation was not changed enough to forestall the tendency toward price increases. Last week was marked by the largest single shipment of oil to arrive in the American market in some time, a total of thirty-nine drums entering from Australia.

Jasmine—Arrival of fifteen cases of oil from Italy aroused considerable interest last week as imports during the war and post-war periods from all sources were negligible, and it was hoped that the shipment entering American ports last week presaged development of a steady source of supply. Prices were firm at the levels which have been in force during the past year.

Lemon—No further price fluctuations were reported in Italian oil last week as prices were steady from $3.25 to $4.00 per pound. The import position of the oil was vastly improved over the several weeks previous as fifty half cases and 150 quarter cases arrived from Italy. Buyer interest was good in both imported and domestic oil, with no indication of slackening. The Department of Agriculture reported the sale of 11,664 pounds of Sicilian oil at $2.00 per pound. Prices for domestic oil were unchanged.

Lemongrass—The flow of this oil into the American market continued at a good pace last week as twenty-eight drums arrived from the Dominican Republic, and nine drums were received from Singapore. Shortages persisted, nevertheless, and it was practically impossible to meet the lively demand. Prices were gradually firming, but no changes were reported during the period under review.

Lime—There was no apparent cessation of either buyer interest or supply last week as the market maintained its high level of activity. It was reported that volume shipments were moving into consumer channels promptly on spot and that prices were holding steady at levels in force for many weeks. Imports during the week amounted to four drums from the Dominican Republic.

Mandarin—Buyer interest was only moderate last week although it was reported that large stocks were accumulated at Brazilian sources and were readily available. Prices held at the reduced levels established two weeks earlier by the revision, and were moderately steady. Imports during the week included four quarter cases from Italy.

Marjoram—Moderate activity was noted in this market last week as supplies were restricted and prices were steady at the previous levels.

For La.e Market Developments, See Page 4

One drum was reported to have arrived in American ports from Spain during the period under review.

Palmarosa—Little trading was possible in this market last week as shortages were unrelieved and indications were that little hope of improvement in the near future could be entertained. Prices did not vary during the period under review, but it was reported that a tendency to firm was prevalent. Imports during the week amounted to only eight pots from India.

Patchouli—Prices, which had been gradually easing for several weeks in anticipation of an improved supply position, were materially reduced last week as one dealer quoted the oil at $60.00 per pound, $10.00 per pound below the previous price. Some oil was still offered at $114.00 per pound, but interest was primarily confined to lower-priced stocks, and buyers were tending to hold off in view of the diminishing prices. One drum of oil arrived in the American market last week from Kenya Colony, British East Africa.

Pennyroyal—Tight stocks continued to curtail trading last week as prices were reported firming. Three drums of oil from Spain, the first to arrive in the market for several weeks, entered American ports during the period under review, but it was not generally believed that this shipment was a forerunner of a steady supply from that source. Domestic oil was in slightly better supply, but prices held firm.

Petitgrain—The supply position of this oil showed gradual improvement again last week with two drums arriving from the Dominican Republic and sixteen drums entering the market from Argentina. Prices were steady at the levels established by the reduction of two weeks earlier, but there was no further revision. Buyer interest was moderate to good, and show indications of increasing in view of the greater availability of the oil.

Rosemary — Buyer interest held good last week as the supply position was undergoing gradual improvement. Prices were steady in a moderately active market, but showed no tendency to fluctuate after the reduction of two weeks previous. Three drums were reported to have been imported from India during the period period under review.

Sandalwood—Arrival of ten cases of oil from Spain was a major event in this market last week as buyers were clamoring for supplies, and acute shortages had forced several buyers to withdraw from the market earlier. There was no improvement in Mysore oil, which had been holding a decidedly firm position for several weeks, but it was hoped that relief from this quarter would be forthcoming in the not too distant future. Small spot stocks moved rapidly whenever available.

Savin—One dealer, who had maintained a withdrawn position in this oil, along with the majority of other dealers, during the war and the year past, offered stocks at $6.25 per pound last week. This price was considerably above pre-war levels, but was of particular interest not only as a return to trading, but as an indication that source prices had tumbled. It had been reported earlier that the primary market had broken suddenly, and the offering of the oil at $6.25 per pound was the first reflection of that situation in the American market.

Turpentine — Rectified turpentine prices, which were advanced 4c. per pound two weeks previous, continued to firm last week as quotations ranged as high as 55c. per pound. Some stocks were reported to be available at 30c., but the general tendency was to sell at the higher levels. Prices for raw material were tending downward again after substantial increases last month, and there was some feeling that prices for rectified material would follow.

Vetiver — Curtailed supplies of bourbon oil forced an increase of $1.50 per pound in quotations last week as the prices ranged from $37.50 to $42.50 per pound. There was little oil available anywhere in the market, and predictions concerning future supplies were pessimistic. Haitian oil was increasingly obtainable, and the majority of interest was centered in that material.

Wintergreen—Prices for both North and South oils were very firm last week, and some dealers quoted higher prices. North was quoted as high as $17.25 per pound, $4.25 above the previous outside quotation, and South was advanced $1.75 per pound on the outside ranging from $3.65 to $6.00 per pound.

Aromatic Chemicals

Anethol—NF material continued to become increasingly available last week and there was a further reduction of 5c. per pound in drums as the derivative was quoted in a range of $1.45 to $2.45 per pound. Commercial grade prices were unchanged, ranging from 65.7c. to 68.5c. per pound in drums.

Vanillin—Increased production costs have forced a major producer of ex lignin material to plan a price increase

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effective January 1, 1947. The derivative will be offered at $3.00 per pound in twenty-five pound containers, and $3.05 per pound in five pound containers, packing and delivery included. Prices in effect for ex lignin vanillin last week were $2.35 per pound for twenty-five pounds or more, and $2.40 to $2.50 per pound for smaller lots. Prices for ex guiacol and ex eugenol vanillin were firm and unchanged during the period under review.

TGA Unit Honors Frederick J. Austin

Dr. Frederick J. Austin, recently retired from Richard Hudnut's control laboratory, has been presented with a watch by the scientific advisory committee of the Toilet Goods Association "in recognition of his scientific ability, his many contributions to the costmetic industry and his untiring efforts on behalf of the committee."

Before joining Richard Hudnut, Dr. Austin was in charge of the control laboratory of E. R. Squibb & Sons, Brooklyn, N. Y., where he did a great deal of work on the assay of alkaloids.

Winthrop's Division Heads To Meet December 18-20

Managers of the eighteen divisional offices of the Winthrop Chemical Company, New York, will hold their annual meeting at the New Yorker hotel, December 18-20.

Joseph C. Noh, vice-president in charge of sales, who will preside, announced that results of the first postwar year will be evaluated and plans laid for 1947. Mr. Noh will be assisted in the conduct of the conference by A. W. Jensen, field sales manager; William LeBar, manager of retail sales; W. E. Gurske, manager of the hospital sales division; M. T. Bowman, manager of Federal government sales, and W. E. Sowersby, manager of chain store sales.

Ultra Chemical Expands Paterson Plant Output

The Paterson, N. J. plant of the Ultra Chemical Works is being enlarged, with several new buildings already completed and others now in the process of production.

When completed, the plant will be used for the production of the company's synthetic detergents, products used in the textile industry and in tanning processes and special aids for dyeing and finishing fabrics.

A feature of the newly completed detergent unit is a spray drier which is one of the largest of its kind in the United States, according to the company.

United-Rexall Drug Company Changes Name

The name of the United-Rexall Drug Company has been changed to the Rexall Drug Company. Rexall was coined forty-three years ago when the firm was known as the United-Drug Company.

A survey started in 1943, to determine the effectiveness of the firm's various trade names, showed that Rexall was the best known to the public and the drug trade, according to the company.

Trade Briefs

Mill Basin Petroleum Corporation, Brooklyn, N. Y., has filed a certificate of voluntary dissolution.

Cotton Textile Institute has elected as vice-president Howard P. Claussen, vice-president and director of the cotton department of Bemis Bro. Bag Company.

Textile Technology Institute has added to its staff Rolf Wallin to work on engineering and design problems of textile machinery. Mr. Wallin recently came to the United States from Sweden.

Chicle imports into the United States in the first four months of 1946 totaled 8,933,000 pounds, and imports of leche caspi were 2,154,000 pounds in the same period, according to the Department of Commerce.

New Zealand was reported in August to have an exportable surplus of 35,000 pounds of refined granulated agar. When extensions to existing plants are completed, the exportable surplus is expected to reach about 50,000 pounds a year.

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Petroleum Derivatives

Prices for solvents and diluents, lighter fractions, and petrolatums and waxes were unchanged last week although it had been felt earlier that increases would be necessitated by the advancing costs of crude petroleum in the Mid-Continent area. The general concensus last week was that earlier advances noted in the derivatives would be sufficient to absorb the higher crude costs.

One major company advanced the price of number 2 fuel oil at points in Northern New Jersey and in the New York City area, tanks and barges, by .3c. per gallon. In New England and New York State, the price for this fuel was advanced .2c. per gallon for all methods of delivery.

The Bureau of Mines reported recently that industry's trend toward petroleum as a fuel substitute for coal had been accelerated greatly since the war, with consumers stating that mine strikes was a major cause of the conversion. In addition, it was said that consumers were influenced by the ease and convenience of handling oil which compensated for its higher cost. Bureau statistics indicated a decline in coal use during 1945 in comparison with the use of other fuels.

American Petroleum Institute estimated that the daily average gross crude oil production for the week ended November 16, 1946, was 4,792,000 barrels. Daily production for the four week period ended November 16, 1946, averaged 4,765,050 barrels.

Imports of petroleum products during the past week totaled 444,000 barrels of crude and 212,000 barrels of fuel oil from the West Indies.

Solvents and Diluents

Aromatic Naphthas — Trading continued at a high level last week as there was no slackening of buyer interest and supplies were generally good. Primary inquiry was for immediate delivery, and large shipments were moving into the hands of consumers. Prices held steady and unchanged.

Cleaners' Naphtha—Moderate interest evinced by seasonal consumers held this market to a routine pace last week with both supplies and deliveries being well maintained. Prices were steady to firm, but did not vary.

Lacquer Diluent — Fairly ample shipments were reported to have moved to eager buyers last week as the market continued at a good pace. Prices held steady at the advanced level effected earlier, and it was felt that previous increase would negate the influence of rising costs of crude petroleum.

Mineral Spirits — There was little change in the market picture last week as supplies were moderately good, and buyer interest was at a fairly high level. No further price changes were reported at any centers, and prices in effect were steady.

Rubber Solvent—Buyer interest was undiminished last week as the derivative was generally in good supply at all centers and orders were being met with substantial shipments. Prices were steady to firm and were not changed by the contrasting supply and demand.

Stoddard Solvent — Active interest and good supply marked another week in the long series of busy weeks which had typified this market. Shipments were moving regularly and in good volume to consumers, and prices held steady to firm at recently increased levels.

V. M. & P. Naphtha—Little change was noted at any center last week in the excellent market picture which had been maintained for some time. The derivative was in good supply, buyer interest was strong, and shipments were well maintained. Prices were steady and unchanged.

Markets at Other Centers

Chicago—Recent crude oil market advances had the effect of firming up the solvents and diluents market, which earlier was becoming a little spotty. Demand was somewhat better.

Aromatic Solvents—Good interest, firm market.

Cleaners' Naphtha—Call good, prices steadier.

Lacquer Diluent—Active buying, quotations firm.

Mineral Spirit—Orders brisk, strong prices.

Rubber Solvent—Business extensive, market strong.

Stoddard Solvent—Buying good, quotations holding.

V.M. & P. Naphtha—Volume fair, without price change.

Los Angeles.—Demand and buying interest in Class A and Class B type aromatic solvents remained excellent. Cleaners' naphtha and lacquer diluent were also in keen demand.

Lighter Fractions

Butane—Shipments against earlier orders continued to move well last week, helping to hold buyer interest at a fairly high level. The derivative was in moderately good supply, and prices held steady at the previous levels.

Heptane — Supply improvements were continued last week, and consumer interest closely paralleled availability. Inquiries on futures showed a marked improvement and deliveries on spot and contract orders were well maintained. Prices were steady and unchanged.

Hexane—Interest in spot stocks featured the market last week as inquiries for futures were strictly routine. Supplies were good and movement to consumers was in good volume and regular. Prices were steady at the previous levels.

Pentanes—There was little activity of note in the market last week as the dull tone of earlier weeks persisted. Contract consumers were making the majority of inquiries, and very little movement other than contract shipments was reported. Prices were barely holding steady.

Propane—Excellent supply, steady delivery, and active buyer interest kept the market moving well last week. Industrial consumers of fuel materials were particularly active, and the coal strike was said to have aided inquiries materially. Prices were steady at the previous levels.

Markets at Other Centers

Chicago. — Business remained quite good for all these products and the tone of the market was one of strength.

Butane—Call good, market steady.

Heptane—Orders active, prices holding.

Hexane — Business moderate, quotations firm.

Octanes — Active interest, market steady.

Pentanes—Inquiry up, no price change.

Propane—Fair interest, stable market.

Los Angeles.—Good call continued to be reported for propane and butane. Supplies in this area were very liberal.

Petrolatums and Waxes

Microcrystalline Waxes—Little improvement in the supply situation was reported last week as producers were hard put to maintain shipments on previous orders. Buyers interest was not diminished by the fact that delivery on new orders was well behind schedule, and inquiry was said to be excellent in many quarters. Prices were firm and unchanged.

Markets at Other Centers

Los Angeles.—Paraffin wax retained its oversold position.

Market Trends

Prices Advanced

Fuel oil, No. 2, tanks, barges, N.Y.C.-Northern N. J., .008c. per gal.; New Eng.-N. Y., all del'vs., .002c. per gal.

Prices Reduced

None

(For Current Prices see Page 9)

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended November 16 totaled 221,670,000 barrels, according to the Bureau of Mines. Compared with the total of 221,302,000 barrels for the preceding week, this represented an increase of 368,000 barrels, comprising an increase of 930,000 barrels in stocks of domestic crude and a decrease of 562,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

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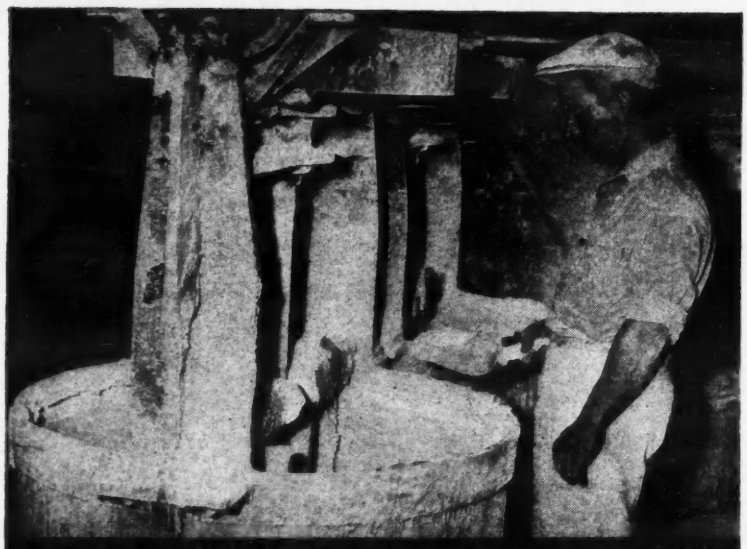

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Protective Coatings Materials

Decreased activity as far as price changes were concerned was noted in the paint market last week. Fighting to return to normalcy following decontrol, it appeared that the industry was watching to see what effect the general price advances would have upon both production and the attitude of the buyer. Some industries, such as turpentine, were reported to have been receiving stiff buyer resistance because of the meteoric rise in prices. This resistance seemed to have a beneficial effect, at least in the turpentine industry, as prices were subject to a proportionate decline. However, many consumers in various industries were faced with the problem of paying the present price or else!

Synthetic resins were subject to appreciable price advances last week and even more were expected to follow. Chief factor for this was the advance registered in both glycerin and oil prices. A number of synthetic resin companies have withdrawn their prices until stabilization of raw material prices was effected. Prices will be found on page 36.

An over-all picture of the paint market shows a continued high demand with only a few industries being able to fill the requirements as shortages remained prevalent.

Metallic Lead and Zinc

Lead—Settling down after three weeks of fervent price changes, the lead market last week was concerned with CPA quotas and allocations. The expected increase in the flow of lead following the recurrent price advance was not able to be noted as yet. However, that an increase in mined lead and an increase in the processing of secondary lead will result, is held to be almost certain.

Anticipating an increase in secondary lead production, the CPA has permitted an increase in the amount of lead to be used in the manufacture of replacement storage batteries. It is estimated that a production increase of fifteen percent will result. Also, a ten percent increase in the use of secondary lead for lead chemicals has been authorized.

Prices for lead during the past week remained at 11.65c. per pound in St. Louis and 11.80c. per pound in New York.

Zinc—Last week was quiet in the zinc market with no new developments being reported. It seemed to be a question of sitting back and awaiting developments, hoping that the zinc market was reaching its normal state. Production was declared to be functioning smoothly and supply was stated to be in approximate balance with demand.

Prices remained the same except for a report that one producer was now selling high grade at 11.75c. per pound delivered. The price for prime Western in East St. Louis was 10.50c. per pound.

Pigments

Lithopone—Excellent demand for this commodity continued unabated last week as producers expressed difficulty in supplying requirements. Production was very good but was not able to approach the amount of stocks necessary for an adequate balance. No further price changes were received last week.

Litharge—new developments were not forthcoming in this market following last week's price advance to 14¼c. per pound. Demand was stated to be good but available stocks were extremely hard to obtain. Results of the recent price advance on production have not been noticeable yet but producers expect an increase in production to result soon.

Red Lead—Although reports of production increases following the recent price advances have not been noted as yet, any such report would be happily received in this market where stocks have been almost nonexistent for a great many months. No further price changes were received last week.

Titanium Dioxide — Developments were absent in this market last week as producers continued to turn out excellent stocks, but were faced with the inability of supplying all consumers since the present demand was so large. This situation was expected to prevail until greater production facilities were available. There were no price changes during the period under review.

Zinc Oxide—An advance of 1c. per pound for zinc iron-oxide pigment was reported last week. Carlot prices for this material in bags became 7¾c. per pound, with Pacific coast prices ½c. per pound higher.

From Uruguay comes notice that zinc oxide to be used as an activator in the vulcanization of tires and of other rubber articles has been included in the raw material section of the Uruguayan customs tariff at a rate of duty including surtax reduced from 70½ to 9 percent of an official customs valuation of 0.62 peso per killogram and exempt from the general increase of 50 percent of the import duty of July 24, 1942.

Dry and Chemical Colors

Bone Black—This market remained materially the same as the previous week with excellent demand being handicapped by a shortage of stocks. Production was declared to be good but the high requirements proved to be too much for the capacity of plants now being worked. Prices remained the same for the period under review.

Iron Oxide—Adding to rapidly diminishing stocks were shipments from England totaling 1,992 bags and 10 casks during last week.

Sienna Earth—It was reported that 200 bags and 59 casks of this dry color were received in American ports from Italy last week.

Ultramarine Blue—Shipments totaling 750 casks of this commodity arrived from England during the period under review.

Umber Earth — From Cyprus came 2,244 bags of this material during the past week.

Zinc Yellow—Announcement by one producer of a price advance of 3c. per pound effective December 1 was made last week. The new price for zinc yellow in barrels was 19c. per pound.

Driers and Flatteners

Napthenates—Characterized by good demand and adequate production, the napthenate market was declared to be healthy last week, and much activity was witnessed. Shortages were not existent as required supplies of napthenic acid were being produced and were made available for napthenate production. The price structure remained firm with no changes being recorded over the period in review.

Resinates — This market remained very similar to the napthenate market with excellent stocks ready to be shipped to active buyers. Production was good with shortages declared to be negligible. However, in view of the present coal strike, it was feared that the possibility of a delay in shipments might prove factual. Prices remained unchanged during last week.

Stearates—Settling down after two weeks of violent price changes, the stearate market was beginning to assume a healthy attitude. Prices were becoming stable with companies varying but a few cents with each other. The shortage of stearic acid was easing slightly but it was too early to ascertain to what extent the increased price structure would have on final stearic acid production.

It has been reported that the in-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Barytes, $1 per ton.
Blue, alkali, 15c. per lb.
Cellulose acetate, flake, 6c. per lb.
granules, 7c. per lb.
Cellulose acetate butyrate, flake, 6c. per lb.
granules, 7c. per lb.
Cellulose triacetate, 10c. per lb.
Chrome greens, reduced, 9¼c. per lb.
Ethyl acetate, synthetic, 3c. per lb.
Methyl abietate, 1c. per lb.
hydrogenated, 1½c. per lb.
Tricresyl phosphate, 8c. per lb.
Vermilion, American, 3½c. per lb.
Zinc iron-oxide pigment, 1c. per lb.
Zinc yellow, 3c. per lb.

Prices Reduced

Turpentine, gum, 19½c. per gal.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
162.9	162.9	155.4	140.2

(For Current Prices see Page 9)

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creased price schedule has met with small opposition from most consumers since they are in dire need of stearate products.

Fillers and Extenders

Asbestos—Shipments amounting to 7,000 bags of this material were received in home ports from South Africa during the period under review.

Barytes—The heavy demand placed upon this commodity as a result of the extensive building program continued unabated last week. The mining of crude barite was declared to be excellent and sufficient finished products were available for paint requirements. A price advance of $1 per ton was reported to have been effected by one producer last week.

Clay—Arrival of 892 bags and 340 tons of ball clay and 136 carloads of China clay were received in American ports from England during last week.

Chalk—Imports totaling 450 bags of precipated chalk were received in East coast ports from England last week.

Fuller's Earth—A total of 100 bags of this material was received from England last week.

Graphite—From Ceylon came 1,250 bags of this material during the period under review.

Gypsum — High production rates during the third quarter were reported as the gypsum industry continued in its attempt to close the gap between requirements and supply, according to a Bureau of Mines report. Domestic mine output of crude gypsum reached 1,522,455 short tons, a post-war record and 59 percent above the comparable period of 1945. Production of calcined gypsum was 86 percent over the 1945 period.

Talc—French exports of talc to this country amounted to 450 bags last week.

Lacquer Materials

Butyl Acetate—The market was not materially changed from previous weeks as good demand and interest was noted. Natural fermentation products remained slightly below required stocks since a great portion of the natural grains continue to be used for the relief of world famine. No price changes were registered last week.

Cellulose Acetate — Announcement of price advances of 6c. per pound for flakes and 7c. per pound for granules was made by one producer last week. Cellulose acetate flakes ranging in viscosity from two to seventy seconds were all advanced 6c. per pound and were selling for 36c. per pound, irrespective of quantity. Granules were advanced 7c. per pound and were being quoted at 42c. per pound, irrespective of quantity.

Cellulose Acetate Butyrate—An advance of 6c. per pound was effected in all flake grades of cellulose acetate butyrate last week. The price of this commodity with 36.5 percent butyrl content became 51c. per pound for shipments of 5,000 pounds or more. Quantities of from 100 to 900 pounds were 53c. per pound. Granules were advanced 7c. per pound and the price of shipments of 5,000 pounds or more of 36.5 percent butyrl content became 57c. per pound.

Cellulose Triacetate—This commodity was advanced 10c. per pound by one producer last week. Irespective of quantity, flake cellulose triacetate with an average acetyl content of 43.4 percent was selling for 40c. per pound.

Ethyl Acetate—Synthetic ethyl acetate was subject to a 3c. per pound advance last week following the 4c. per pound increase on natural fermentation materials of the previous week. Following are the prices being quoted:—85-90 percent, tanks, 9½c. per pound; carlots, 10½c. per pound; less carlots, 11c. per pound; 95-98 percent, tanks, 10c. per pound; carlots, 11c. per pound; less carlots. 11½c. per pound. Deliveries in the West are ½c. per pound higher.

Varnish Gums

Copal—Imports of this gum decreased considerably last week but this was considered to be temporary due to a fluctuating shipping schedule. Total amount of imports received from Manila for the past week was 200 bags.

Dammar—Arrivals from Singapore of 50 cases and 140 bags of this commodity were announced last week.

Shellac — The conservative spirit evidenced by both distributors and consumers prevailed again last week. High prices of shellac forced a wary attitude upon buyers and as a result, last week's market was a trifle on the unsteady side and was declared to be rather quiet. The search by consumers for low-priced substitutes goes on and will continue until shellac prices are subject to a downward trend. Following on the heels of a shipping strike, trucking strike and a shortage of cartons, the present soft coal labor strife will definitely hurt the shellac industry if it is prolonged for any length of time.

Imports for the past week continued at a high level with the following shipments from India being reported: —Shellac, 38 cases and 5,584 bags; seedlac, 7,887 bags; refuselac, 500 bags; buttonlac, 250 bags.

Naval Stores

Rosin — Overshadowed by the immense activity in the turpentine market last week, rosin was not subject to any violent changes. Greater interest was declared to be manifested with the improved glycerine situation activating the soap market again. As a result, the need for rosin in the soap industry is showing up and rosin demand is becoming brighter. Foreign demand continued unabated and the export license question is still without an answer. Cancellation of export restrictions before the end of the year continued to be rumored and producers and distributors alike were keeping in close touch with Washington in the event that such an event might soon occur.

An interesting item was the report that rosin production in India for the second quarter of 1946 amounted to 2,166 long tons, an increase of 795 tons over that of the preceding quarter. Stocks held on June 30 amounted

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to 2,230 tons, an increase of 350 tons over the stocks held on March 31.

A record of the Savannah rosin market for the past week will be found on page 4.

Turpentine—Large offerings coupled with a good deal of buyer interest forced the turpentine market down last week as prices fell approximately 7c. per gallon. Some sources expect a further decline citing a too rapid advance as the chief reason. Others expected the price to settle down soon and hold for the end of the year. A slight increase in stocks was declared to be reaching consumers but not nearly enough to fill requirements. Some people felt that the storm was weathered and from now on it was only a question of time before a reasonable price would be reached, with prospects of excellent production during 1947 being forecast.

The United Kingdom's imports of turpentine during the first eight months of this year decreased 31 percent in quantity from those in the like period of 1945 and were only 13 percent of such imports in two-thirds of the prewar year of 1938. Totals were 36,526, 53,046, and 274,322 hundredweight, respectively, according to British customs statistics.

A record of the Savannah turpentine market for the past week will be found on page 4.

Glues and Binders

Casein—Apprehension of increased supplies at lower costs sometime next year constituted the only news of interest in this market last week. In a market as drastically affected by shortages as the casein market, any ray of hope such as the expectation of larger and more economical imports from Argentina was eagerly held and treasured. Now that the Argentine government has worked out a satisfactory financial arrangement with its domestic producers, the only remaining factor governing the prospect of increased casein production is the amount of edible milk products to be sent abroad for famine relief. If the demand for milk products for this reason continues high next year, it would seem safe to say that the required increase in casein production would be lacking.

There were no reports of any foreign casein shipments reaching this country last week.

Glues—Demand for both domestic and foreign bone and hide glues continued at a very high level last week and producers were faced with the inability of supplying consumers with very much of their required amounts. Imports of bone glue are reported to be good with shipments arriving from South American countries and also from some European countries, but these shipments continue to remain inadequate to fill the present needs. Optimistic reports hope for some relief sometime next year while others indicate a longer time will prevail before adequate supplies will be available.

Imports for last week amounted to 200 bags of glue from Brazil.

Hogs' Bristles Sale Planned by WAA

The War Assets Corporation has announced that offering of the government's stockpile of hogs' and pigs' bristles, will be made shortly.

The stockpile, amounting to slightly over 1,000,000 pounds, and owned by Defense Supplies Corporation, will be sold at fixed prices nationally with Frederick H. Cone & Co. acting as agent.

Although no date was set for the first offering, early action was anticipated in view of acute shortages facing consuming manufacturers. The stockpile is primarily composed of bristles of the Chinese variety, essentially in demand for the commercial market.

Burdette Named Director Of Texas Manufacturers Group

Hugh Burdette, vice-president of Cabot Carbon Company, Pampa, Tex., and general manager of the southwestern division of Godfrey L. Cabot, Inc., Boston, was elected director of the Texas Manufacturers Association at a recent annual meeting held in Dallas.

Stearates

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ALUMINUM STEARATE
CALCIUM STEARATE
BARIUM STEARATE
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1 Fifty per cent more flatting efficiency.

2 Grinding time greatly reduced.

3 Easier handling; less dusty; volatile matter reduced almost one-half, sodium sulfate content cut from approximately 10% to maximum of 3.5%.

To coatings users and manufacturers, this new type Santocel, designated as Santocel C, makes possible highly superior finishes without premium costs.

Because Santocel C is air ground to an average particle size of 3-5 microns, the optimum size for flatting purposes, grinding time can be reduced from 24 hours to 2 to 4 hours (recommended to assist in wetting out and dispersion).

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1. Improved surface hardness.
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4. Flexibility.
5. Quality, de-lustered appearance.
6. Improved adherance to surface.
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SINGLE AND DOUBLE SALTS

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COPPER SULPHATE • COPPER CARBONATE

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for MASKING the odor of PAINTS, SOLVENTS, MINERAL TERPS, KEROSENE, INSECTICIDES, etc., at a fraction of a cent per gallon
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"does double work"

Its chief use is for manufacturing synthetic resin. Can be furnished with a turbine type or paddle type agitator. By removing cover and agitator assembly, it can be used in making varnish.

A Brighton kettle does fast work. Powerful, gearhead motor saves time. Horizontal agitator drive saves head space. Capacity, 150 to 750 gallons. Fabricated in copper, stainless steel, clad steel, monel.

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Gentlemen, without obligation on my part send complete data, catalogs on your new kettles.
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Naval Stores Exchange Names New Committees

Standing Committees of the Savannah Cotton and Naval Stores Exchange have been announced by David P. Griffin, newly elected president, as follows:—

Appeals, A. T. McIntosh, Robert W. Groves, E. S. Trosdal, jr.; J. A. Myers and Charles T. Theus, chairman.

Finance, A. D. Strobhar, C. S. Sanford, H. M. Garwes, Fred Wesells, jr., and O. T. McIntosh, chairman.

Information and Statistics, Alexander Thesmar, J. M. E. Schuster, O. E. Scott, J. L. Mayers and P. J. Rooney, chairman.

Transportation, W. P. Hickey, W. M. Knapp, R. E. Lewis, F. D. M. Strachan, jr., and E. S. Trosdal, jr., chairman.

River and Harbor, H. G. Strachan, J. E. Cay, H. V. Jenkins, E. J. Oettler and J. J. Cornell, chairman.

Classing Cotton, J. W. Gleason, F. W. Clarke and H. G. Bruncke, chairman.

Meteorological, J. R. Sweat, G. W. Drummond and Walter C. Carson, chairman.

Floor, W. T. Doty, jr.; J. A. G. Carson, jr., and J. W. Osteen, chairman.

House, Carl Espy, C. C. Curtis and J. L. Mayers, chairman.

Linters, H. G. Bruncke, W. F. Clarke, J. L. Audesey, R. E. Thorpe and U. F. Stewart, chairman.

Membership, H. M. Garwes, J. E. Cay, John Morel, Carl Espy and C. S. Sanford, chairman.

Du Pont to Expand Titanium Production

Plans for a new manufacturing unit at the titanium dioxide plant at Edge Moor, Del., have been announced by the pigments department of E. I. du Pont de Nemours & Co.

This unit is the second Du Pont titanium expansion to be started since the end of the war and the seventh major expansion in this field which the company has undertaken since it started the manufacture of titanium in 1931.

Approval of the new project has already been obtained from the Civilian Production Administration. Much of the equipment to be installed cannot be procured except under long-term delivery, so completion is not contemplated until sometime in 1948.

Currently the plant's capacity is being increased through modification of existing equipment and processes. This work was begun last Spring. Completion of this phase of the expansion program is scheduled for next May.

Reichhold Plans New Plants in 4 Cities

Reichhold Chemicals, Inc., Detroit, has purchased 680 acres at Tuscaloosa, Ala., twenty-one acres at Elizabeth, N. J., and five acres at South San Francisco, Calif., in all of which cities Reichhold plants are now operating. Land also has been acquired in Philadelphia.

This acreage will afford sites for additional plants devoted to the production of synthetic resins, chemical colors and phenolic plastics, as well as new chemical developments, details in regard to which are not yet available for publication.

NPVLA Offers German Paint Industry Report

National Paint, Varnish and Lacquer Association, Washington, D. C., through a reprinting arrangement with the government, will provide printed copies of the report of "The Paint, Varnish and Lacquer Industry in Germany" by Dr. Henry O. Farr, jr., at $1 per copy to members. A limited supply of the reprint made by the association is now available at 1500 Rhode Island Avenue, N. W., Washington, D. C.

Sherwin-Williams Names Special Products Head

G. Gilbert Thorne has been appointed general sales manager of special products for Sherwin-Williams Company, Cleveland. Mr. Thorne joined the company earlier this year after eleven years with Montgomery Ward & Co., where he was manager of the paint, oil and chemical division.

Trade Briefs

Catalina Corporation of America, manufacturer of plastics, has elected Cornelius J. Reid to the board of directors.

Niel R. Allen, Grants Pass, Ore., was recently elected to the governing board of the state department of geology and mineral industries, to fill the vacancy caused by the death of Senator W. H. Strayer, Baker, Ore.

Rotenone-bearing roots exported by Peru in 1945 increased 36 percent in quantity and 23 percent in value over those in 1944, according to statistics of the Superintendency Control of Customs. In 1945 they amounted to 3,650 metric tons, valued at $1,445,720, compared with 2,682 tons, worth $868,880 in 1944.

Animal glue exports from the Brazilian states of Sao Paulo, Triangle of Minas, Mato Grosso, and Goias, through the port of Santos, amounted to 344,800 kilograms in 1945, compared with 196,550 kilograms in 1944, according to the Federal Ministry of Agriculture. The United States imported 38,000 kilograms from this source in 1945.

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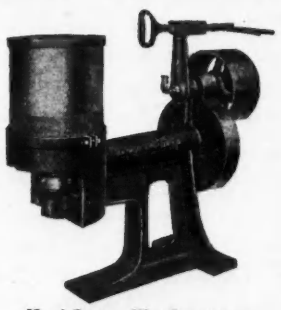

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Produces an unusually firm quality of granulation. Dissembled for cleaning by removing two set screws. Granulates approximately 600 pounds of sugar or similar material per hour.
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Vinyl Plastics Developments Reported

OPD Washington Bureau

Recelt German developments in the manufacture of vinyl plastics are described in a report on the polyvinyl chloride industry now on sale by the Office of Technical Services, Department of Commerce. German techniques for rolling and finishing thin, flexible plastic sheets are of particular interest, according to the authors of the report, members of the British Intelligence Objectives Sub-Committee.

Further data on German polyvinyl chloride, as well as on styrene products and plastic slide fasteners, are also available from OTS in a report by Ernest W. Halbach, investigator for OTS' Technical Industrial Intelligence Division.

The manufacture of calendered polyvinyl chloride sheets by the Dynamit firm at Troisdorf is described by the British investigators. Unplasticized polyvinyl chloride has been used widely in Germany for shoe soles. Plasticized polyvinyl chloride rolled into thin sheets is used for waterproof garments and protective coverings. Vinyl chloride, mixed with 20 percent methyl acrylate, is rolled into sheets. This transparent material is called "Astralon" and is used for photo-reproduction work, mechanical drawing materials, and other purposes requiring a clear tough sheet.

Rolled sheets of these plastic materials were put through a calendering machine to obtain a good finish. A difficulty was that the bending of the calendering cylinders under the stress of rolling caused unevenness in the plastic sheets. This was remedied by a method of skew-setting the rolls, devised by Eck und Sohn, machinery manufacturers in Duesseldorf. Though the rolls were set in closed vertical frames, they could be adjusted horizontally by moving the bearings of the rolls forwards or backwards in horizontal slides. For example, by slightly skewing the set of Roll 3, the space between it and Rolls 2 and 4 could be increased at the ends, to counteract the slight bowing at the middle of the rolls.

This skewing technique had not worked to the entire satisfaction of the engineers at Troisdorf. They claimed that this was probably due to interior wartime materials used in the machinery and to mechanical difficulties which could be ironed out.

The British investigators point out that another solution to this problem is to use rollers which have a slight bulge toward the middle. The Eck skewing technique, they state, may permit finer adjustments and can take into account the various degrees of bend resulting from rolling plastics of different thickness and hardness.

Thin plastic sheets also were made experimentally by extruding mixed soft polyvinyl chloride directly onto the calender rolls. The results were encouraging, but wartime difficulties prevented further development of the process.

In addition to these subjects, the British report describes the printing of thin plastic sheet for raincoats, curtains, table covers, and other household items; the production of plastic cable coverings, double screw extrusion machinery, compression and transfer molding; and the composition of phonograph records.

The British report is entitled "Processing of Polyvinyl Chloride"; (PB-31,253; photostat, $10; microfilm, $3; 146 pages, including photographs and diagrams).

The U. S. report is entitled "Miscellaneous Chemical Processes"; (PB-34,808; photostat, $3; microfilm, $1; forty-three pages, including diagrams).

Orders for these reports should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

N.Y. Produce Exchange Dealing in Soybean Oil

The New York Produce Exchange began dealing in refined soybean oil futures, November 25, with the first transaction being made at 25.25c. per pound for the January delivery of 60,000 pounds, almost double the former ceiling price of 12.84c. per pound. Only one sale was made, in spite of numerous bids and offers, as dealers attempted to appraise the futures value of the commodity. future value of the commodity.

Balto. Paint, Production Clubs Plan Xmas Party

A committee was appointed to coordinate suggestions and criticisms for submission to authorities who were in charge of the recent national convention at the joint November meeting of the Baltimore Paint, Varnish & Lacquer Association and the Baltimore Paint and Varnish Production Club. Plans for a joint Christmas party to be held December 20 also were discussed.

New England Paint Club Sets Xmas Party for Dec. 16

The New England Paint, Varnish & Lacquer Association has announced that the ninth annual Christmas party will be held at the Statler hotel, Boston, December 16.

SIC

Ultramarine Blue
Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
Lithol Toners
Red Lake C Toners
Permanent Orange Toners
Pyrotone Red Toners
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AHCO PRODUCTS
METHYL "CELLOSOLVE"* STEARATE
METHYL "CELLOSOLVE" STEARATE, a synthetic ester, is used as a plasticizer for cellulose derivative, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOCH_2CH_2OCH_3$
Molecular weight	342
Color (platinum cobalt scale)	175
Melting point	22° to 24°C
Flash point	378°F
Acidity	less than .6 mg. KOH per gram ester
Specific gravity	.888 at 25°/25°C
Iodine value	2 max.

Low volatility

* Trade mark of C&CC.

BUTYL STEARATE
BUTYL STEARATE, a synthetic ester, is used as a plasticizer for cellulose and polyvinyl derivatives, also for cosmetics, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOC_4H_9$
Molecular weight	341
Color (platinum cobalt scale)	130
Melting point	19° to 20°C
Flash point	358°F
Acidity	less than .6 mg. KOH per gram ester
Saponication number, 171-179 mg. KOH per gram ester	
Specific gravity	.85-.86 at 20°/20°C
Iodine value	2 max.

Low volatility

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Manufacturing Chemists
PROVIDENCE, R. I.
Established in 1815 • Plants at Dighton, Mass. and Charlotte, N. C.
NEW YORK • BOSTON • PHILADELPHIA • CHARLOTTE

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is BROWN not BLACK

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Inks for Printing—lithography and brown rotogravure.

Asphalt Floor Tile—brown and other deep colors.

Molded Products—compositions of resins, rubbers, plastics.

Wood and Fabric Stains—and treatment solutions.

Asphalt Adhesives—blending in only 5%, cuts paper stain in half.

BARBER GILSONITE adds many valuable characteristics to blends, such as lustre, hardness, high melt point, high dielectric properties, acid and alkali resistance, film tenacity, increased wax-tolerance.

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RAW and BURNT IMPORTED UMBERS

ZINC, LEAD, STRONTIUM, CALCIUM and BARIUM CHROMATES

SYNTHETIC RAW and BURNT SIENNAS
(very easily ground)

PURE CHROMIUM OXIDE GREEN

SYNTHETIC YELLOW, RED, BROWN and BLACK IRON OXIDES

DISPERSED LAMP and CARBON BLACK
(dry and paste)

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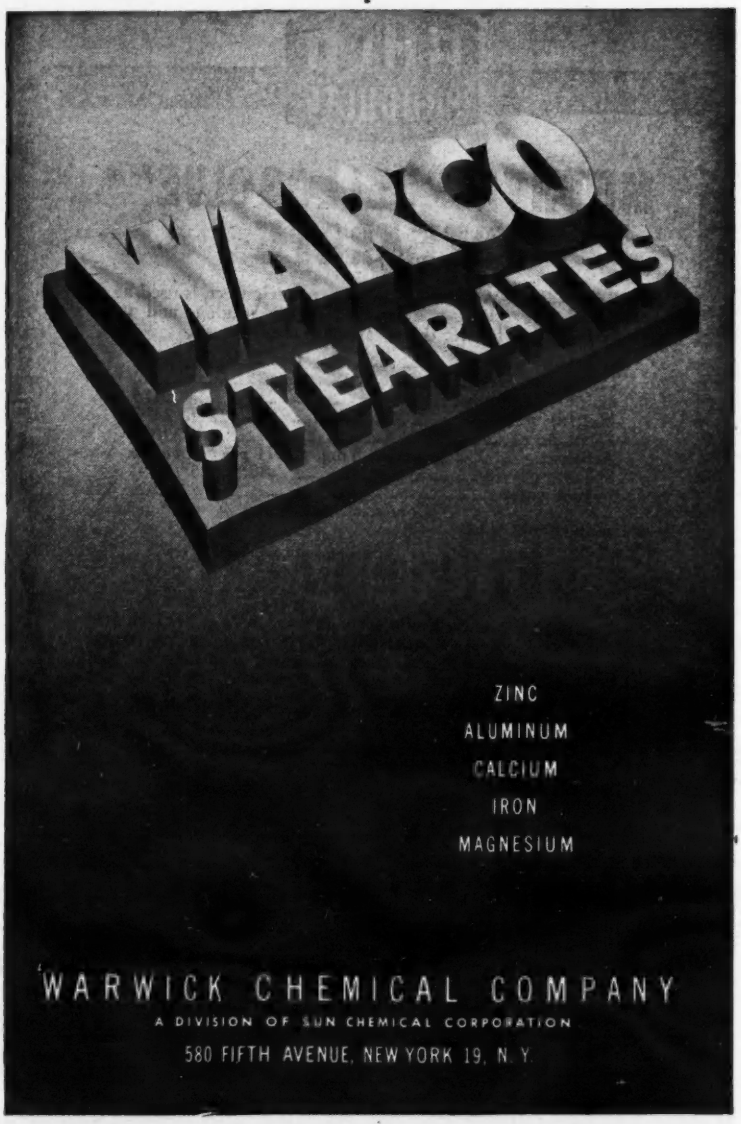

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Lead Metallurgy Developments Told

OPD Washington Bureau

New industrial developments in the field of lead metallurgy are summarized in a brief report released by the Bureau of Mines. In describing the latest methods of concentrating lead and zinc ores, the report points out the need for adopting simplified flow sheets and mechanization to increase production per man-day and retain low unit costs. Significant recent changes have been made in grinding, classifying, and thickening practices, it adds.

Recent progress in separating lead from copper, the highly-successful lead refinery at Port Pirie, South Australia, and the manufacture of metallic zinc from an electric-slag-treatment furnace are among the numerous subjects discussed in the report.

A free copy of the report, Information Circular 7373, "Reconversion Problems in Lead Metallurgy," may be obtained from the Bureau of Mines, Department of the Interior, Washington 25, D. C.

Carborundum Co. Plans Plant Expansion

The Carborundum Company, Niagara Falls, N. Y., has announced plans for a large expansion and modernization program. Captain H. K. Clark, former chief of the Navy plant operations division, has been elected executive vice-president and director of the company, and will be in charge of the expansion program and general operations.

Aluminum Co. Names Magee Vice-President

Frank L. Magee, general production manager of the Aluminum Company of America, has been named a vice-president of the company. He will continue his present duties.

Plant Rubber & Asbestos Works Advances Voiles

The recent appointment of J. C. Voiles as division manager with jurisdiction over the entire East and Midwest territories, has been announced by R. H. Chase, vice-president and general manager, Plant Rubber & Asbestos Works, San Francisco.

Prior to his promotion, Mr. Voiles was chief engineer for the company, in which post he applied his knowledge on the engineering and technical aspects of heat engineering. For years he has been closely identified with insulation installations in the oil industry, power and chemical, and other process plants, and in ship building.

Goodyear Paint & Varnish Organized in Charlotte

Goodyear Paint & Varnish, Inc., has been organized in North Carolina, with offices at 220½ West Fourth street, Charlotte, and a plant at Douglas Field. The new firm expects to be in production about the middle of December.

Billy D. Hice is president and general manager of the company; George Goodyear is vice-president, and Joseph H. Murnick is secretary-treasurer.

Reliance Varnish Co. Increases Capital Stock

Raliance Varnish Company, Louisville, Ky., which is building a new varnish plant, recently filed amended articles of incorporation increasing capital stock from $750,000 to $1,000,000, and has placed 60,000 shares of its $2.50 par value common stock in registration with the Federal Securities and Exchange Commission.

Trade Briefs

Paints, pigments, colors and varnishes imported by Nicaragua during 1945 dropped 4 percent in value from those in 1944, according to Nicaraguan customs statistics. They amounted to $106,054 and $109,893, respectively.

Hercules Powder Company, Wilmington, Del., has prepared a folder listing products used in protective coatings. Products are listed under types of coatings in which they are used, and brief descriptions of the reasons for specific uses are given.

Passonno Severs Ties With Passonno-Hutcheon

F. J. Passonno, formerly chairman of the board, and his sons have severed all connection with the Passonno - Hutcheon Company, paint manufacturer, Cleveland, and its affiliated companies.

Irvington Varnish Opens West Coast Subsidiary

Irvington Varnish & Insulator Company, Irvington, N. J., recently announced the opening of a West Coast subsidiary, Irvington Varnish & Insulator Company—Western, at El Monte, Cal.

Willis G. Sweet, associated with the parent company for thirteen years, has been appointed resident vice-president in charge of operations, and Clifford W. Brown will be production manager.

The plant, which will manufacture chemical resistant cap lining material for the metal and molded cap industry, is expected to begin operations about January 1, 1947.

Hilo Entertains French Paint Club Members

Hilo Varnish Corporation, Brooklyn, N. Y., recently entertained seventeen members of the Paint and Varnish Association of France with a tour of the company's Brooklyn plant and a banquet at the Hotel Bossert.

Carl J. Schumann, president, and Dr. Joseph J. Mattiello, technical director and vice-president of the company, extended the invitation to the delegation, headed by Lucien Ravel of Pyrolac Company, France, during the recent National Paint, Varnish & Lacquer Association convention in Atlantic City, N. J.

No Change in Price in 14 years.

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Skinning
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Oils, Fats and Waxes

Business in oils and fats subsided last week, but there was no indication of any easiness in the situation. Refiners showed a good inquiry for corn, cottonseed, peanut and soybean oils for prompt and nearby delivery, but offerings were limited as the production was sold well ahead. Offerings were mainly for futures. Edible grades continued in active demand. Supplies were scarce, as the production was promptly taken against former contracts.

Tallow and grease continued steady, with trading confined to small quantities at the recent advance. Large users were reported interested in sizable quantities for December, which were not available as recent heavy buying absorbed the bulk of the production for the balance of the year. Oleo oil was easier with the weakness in lard.

Scarcity of supplies continued to restrict trading in linseed and other drying oils. Prices of which were strong.

Higher replacement cost for carnauba wax was reflected in the spot market and quotations were advanced. Trading has been active for consuming account for shipment from Brazil at higher levels.

Currently supplies of fats and oils in the United States relative to potential needs are at low levels. Production in the 1945-46 crop year was 8,900,000,000 pounds, compared with 9,500,000,000 pounds in 1944-45. It is not likely to increase in the current crop year. However, with livestock slaughter expanding and moving into established channels at heavier weights, animal fat production may be considerably larger than present estimates. Also, if outlined goals for livestock and oilseeds are attained in 1947, a sharp increase in production from domestic materials can be expected in the 1947-48 season, according to a summary of the oils and fats situation by the Department of Commerce. Flaxseed acreage would be up 85 percent; soybean acreage would remain at record levels; the Spring pig crop would be 11 percent above 1946 and cattle slaughter would remain high. Factors leading to the maintenance of present high prices are limited supplies and unrestricted demand. Deflating factors include the lessening of both foreign and domestic demand owing to high prices, the probable increases in supplies of animal fats and a larger flow of imports.

Market Trends

Prices Advanced

Beeswax, Afr., crude, 2c. per lb.
Carnauba wax, chalky, 5c. per lb.
N. C., No. 2, 5c. per lb.
N. C., No. 3, 5c. per lb.
refined, 5c. per lb.
yellow, No. 1, 10c. per lb.
No. 2, 10c. per lb.
Linseed oil, 3/10c. per lb.
Ouricury, crude, 2c. per lb.
refined, 2c. per lb.

Prices Reduced

Oleo oil, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev week.	Last month.	Last year.
285.6	286.0	266.9	193.3

(For Current Prices see Page 9)

Cottonseed Oil

Consuming inquiry for crude was relaxed last week, but the market tone remained steady as the approximately 75 percent of this season's production was reported sold. Market generally quoted at 27c. per pound, tankcars, mills, in all sections of the South.

Trading in refined prime Summer yellow bleachable was slow last week. Offerings were few and the market steady. July was switched to September at a differential of 350 points and July to October at 500 points.

Sales and closing prices appear on page 4 in this issue.

Linseed Oil

Argentine oil recently allocated to crushers at 34½c. per pound, loose, was readily sold at an increase of 3/10c. per pound last week. Sales were reported on the basis of 34.8c. per pound tankcars, 35c. tankwagon, 35.8c. drums, carlots and at the usual markups for drums less than carlots. Market was firm at these levels for both domestic and foreign oil. Available supplies were limited, with the bulk of trading confined to less than carlots. While consuming inquiry subsided last week, the market continued strong.

Estimates place the 1946 flaxseed crop in Uruguay at 4,700,000 bushels, which should provide an exportable surplus of 4,000,000 bushels, according to the Department of Agriculture. It was expected that the bulk of exports would be in oil rather than seed, since Uruguay has increased its crushing capacity and was in a position to crush approximately the entire crop. The first official estimate reported flaxseed plantings in 1946 at 554,800 acres, against 554,000 acres and flaxseed production of 4,939,000 bushels, last year. Oil exports totaled 15,363 short tons, January through August, 1946, compared with 5,764 short tons during the twelve months in 1945.

Final estimates indicated the area planted to flaxseed in the Argentine at 4,700,000 acres, compared with last year's final estimate of 4,581,000 acres. Argentine's flaxseed production totaled 38,000,000 bushels last year. Recent reports stated that the crop made satisfactory progress despite a heavy rainfall. Threshing has started in the northern districts with first yields averaging about 7 bushels per acre. Some damage was reported from rust and grasshoppers.

Minneapolis, Nov. 27.—Demand for oil was brisk and while the bulk of the potential production was sold through April-May there was some scattered sales reported during the week at prices ranging up to 35c. a pound in zone 1 for November-December shipment. Oil prices for January forward were quoted at 34.1c. per pound by crushers, and some said that scattered sales were being made at 34c. a pound. Production rate was slipping as supplies disappeared and the outlook is for curtailment of operation after January 1.

Shipments of linseed oil, in pounds, were as follows:—

	1946-47	1945-46
This week	6,300,000	5,340,000
Since Sept. 1	79,340,000	90,028,000

Flaxseed was quoted at $7.25 per bushel for spot delivery at Minneapolis and Duluth.

Buenos Aires, Nov. 29.—No flaxseed shipments were made last week. Visible supply of flaxseed was not reported.

London, Nov. 29.—Linseed oil, spot, quoted at 135s. per 112 pounds.

Flaxseed—Demand for seed active. Offerings scarce and market firm.

Minneapolis, Nov. 27.—Oil firmed, meal weakened and flaxseed remained steady and unchanged at Minneapolis last week as the coal strike had little or no immediate effect on the seed market. Receipts fell off rather sharply as the car shortage became more acute. Crushers and buyers continued avid for spot and to arrive supplies, offering $7.25 for anything available. There was some buying for shipment down the lakes but this was not sufficient to lift prices. Movement from Duluth was quite heavy during the past fortnight, but there was only a little over 1,000,000 bushels of seed left to be shipped. Movement of seed flax from the country slowed materially as crushers and seed buyers offered a hedging system to protect seed owners and virtually guarantee the current price for Spring delivery.

	Receipts		Shipments	
Bushels—	1946-47	1945-46	1946-47	1945-46
This week	217,600	262,500	268,100	66,000
Since Sept. 1	8,211,900	15,382,500	3,965,600	2,643,900

Other Vegetable Oils

Babassu—CCC asked for bids for 1,700,000 pounds of babassu oil to be submitted before 5 p.m. November 27 and acceptances will be announced December 5.

Castor, Dehydrated — This market continued strong, with the high cost of castor beans. Demand also exceeds the supply. Supplies were light, with producers restricting sales to less than carlots. Prices were firm at the recent advance.

Coconut—Bids for 20,000,000 pounds of surplus crude coconut oil requested by CCC, resulted in the withdrawal of what little interest there was in the market early in the week. CCC asked for bids to be submitted before 5 p.m. November 27, acceptances will be an-

For Late Market Developments, See Page 4

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nounced December 5. Prices were merely nominal. Crude oil for January-March shipment was quoted at 18c. per pound, tankcars, f.o.b. Pacific coast.

Corn — Offerings continued scarce last week. Inquiry was fairly active and the market firm. Crude oil was reported nominal at 26½c. per pound, tankcars, f.o.b. mills.

Oiticica — Consuming inquiry was moderate, with trading light owing to the scarcity of supplies. Market was firm at the recent advance. Spot stocks were low and offerings for shipment from Brazil continued inactive. Arrivals totaled 1,790 drums at New York last week, the bulk of which was delivered against contracts.

Olive—Arrivals were noted at 535 drums of edible oil at New York from Spain last week and was delivered against the refined soybean oil quota. Trading was quiet and the spot market was entirely nominal at $8.50 to $8.75 per gallon, drums, duty paid, depending upon seller and quantity.

Peanut — While inquiry was less active, offerings of crude oil continued light and were held at 28½c. per pound, tankcars, f.o.b. mills. Current production was reported sold up.

Soybean—Demand for crude oil was slow last week. Consuming inquiry subsided, but the market continued steady. Production for prompt and nearby delivery was sold up and offerings were limited. Crude oil was nominal at 26c. to 26½c. per pound, tankcars f.o.b. mills, for spot delivery. January-March at 22½c. and April-June, 21c., same basis. Trading in bleachable refined soybean oil futures was light on the New York Produce Exchange last week. January sold at 25¼c. per pound. Offerings were scarce with bids numerous.

Tall—Refined oil output was sold well ahead and supplies were limited. Crude oil was in active request and bids were reported up to $100 per ton, f.o.b. works from large users. Producers were not offering crude and preferred to limit sales to the refined grade.

Tung — Advices from China report shipments about 2c. above the market here. Trading was reported quiet. Prices remain firm and unchanged. Tankcars were quoted at 38⅜c. per pound, drums, carlots at 39½c. and less carlots at 40½c. for prompt and nearby delivery. Domestic oil was quoted 38⅜c. per pound, tankcars, f.o.b. New Orleans, with recent sales reported at this figure.

Atlanta, Nov. 27.—Considerable cottonseed oil sold at 27c. per pound. f.o.b. mills. Cottonseed was higher with sales at $110 per ton. Peanut oil was firm and sold at 28½c. per pound, tankcars, mills, November-December, 28c. for December-January, and 27½c. February shipment. Demand for cottonseed meal was inactive and prices nominal at $88 to $90 per ton for 41 percent, mills, Southeast. Trading in peanut meal was active. Good volume of sales was done in 45 percent at $80 per ton, mills, December, and $77.50 for January shipment.

Los Angeles, Nov. 27.—Business in crude and refined vegetable oils has increased, but supplies still are limited. Price of soybean and crude peanut oil was increased 1c. per pound. Tankcar prices follow:—

Chinawood, 38c. per pound; coconut, crude, 18c. to 20c. per pound; cottonseed, bleachable, 27c. per pound, f.o.b. Texas; mustardseed, 20c. per pound; peanut, crude, 28c. per pound, f.o.b. Texas; sesame seed, crude, 30c. per pound; soybean, 25c. per pound; castor, prime cold pressed, 36c. per pound, drums included.

Chicago, Nov. 27.—Inquiry for vegetable oils was active. Offerings were light. Ruling prices are:—Corn oil, crude, mills, 24½c. to 25c. per pound; refined, edible oil, 27c. to 28c. per pound, drums, carlots; 28c. to 28½c., drums, less than carlots; peanut oil, crude, Southeast, 28½c. per pound; soybean oil, crude, Decatur, 24½c. to 25c. per pound, tankcars.

Fats and Greases

Grease — Trading slackened last week, with bulk of sales restricted to moderate quantities at the recent advance. Recent heavy trading absorbed the bulk of the production for the balance of the year. Consumers showed a good inquiry for December delivery, but offerings were light. Prices were steady for all grades.

Lard — An easier tone was noted last week. Offering of refined lard at 30c. per pound, in Chicago attracted little attention with bids about 1c. less. Offerings in the local market were limited.

Tallow—Inquiry was less active last week though the market continued firm. Trading was of moderate volume and transacted at former levels. Offerings were light as the putout was reported sold up for the balance of the year. Buyers confined interest to December delivery. All grades were steady at the recent advance.

Animal Oils

Neatsfoot Oil — This market was quiet and nominal in the absence of offerings. Production was reported limited and sold up.

Oleo—Weakness in lard was reflected in oleo oil and quotations were lower and nominal at 35c. per pound, loose, New York.

Fish Oils

Menhaden — This market was firm under a good demand. Recent trading contracted for the bulk of the season's production of crude and refined oil. Light pressed was quoted at 28c. per pound, tankcars and 29c. in drums,

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carlots. Sales of refined alkali were reported at 30½c. per pound and kettle bodies at 31½c. in drums, less than carlots.

Baltimore, Nov.. 27.—Recent trading absorbed all offerings at 18c. to 19c. per pound, f.o.b., works North Carolina if and when made. The market was quiet last week and further developments entirely depend upon the catch during next few weeks. Fishing is scheduled to start off Florida in January.

Sardine — Inquiry for refined oil continued active. Offerings were limited and the market was firm at current levels. Light pressed was quoted at 28c. per pound, tankcars and 29c. drums, carlots. Refined alkali sold at 30½c. in drums in less carlots and kettle bodied named at 1c. per pound higher.

Los Angeles, Nov. 27.—Steady demand continued for fish oil. However, supplies are off. The catch for the season to November 22 was 146,843 tons, compared with 294,636 tons for the same period last year.

Fatty Acids

Red Oil — Market remains strong with firmness of raw materials and sold up production. Inquiry was continued good and deliveries were in active request against contracts. Prices were unchanged.

Stearic Acid — Steady call against contracts absorbed the current production. Offerings were scarce and makers were sold ahead. Consuming inquiry continued keen. Prices were firm.

Chicago, Nov. 27.—Continued interest in fatty acids is reported generally. Buyers are taking such quantities as are available. Ruling prices are:—Corn oil, double distilled, Chicago, 24c. per pound, tankcar; 24½c., drums, carlots; 25c., coconut oil, distilled, 28c. per pound, tankcar; 28½c., drums, carlots; 29c., cottonseed oil, double distilled, 24c. per pound, tankcar; 24½c., drums, carlots; settled cottonseed soap stock, 60-62 percent basis, 9c. per pound; boiled down soap stock, 65 percent basis, 10c.; cottonseed foots, 50 percent basis, 8½c.

Cake and Meal

Cottonseed Meal—Market was quiet, with futures easier. July sold at $68.50 per ton, f.o.b. Memphis. Nearby deliveries were unchanged at $85 to $90 per ton mills, according to location. Inquiry was inactive.

Linseed Meal — Demand slow with tone easy. Offerings more liberal.

Minneapolis, Nov. 27.—Linseed meal drooped as demand slowed and prices declined $3 per ton to $90 per ton, bulk, f.o.b. Minneapolis. Mixers and feeders were not anxious buyers but some continued to order out supplies. Instructions were brisk and shipments were on schedule. Spot business was limited to small lots for the December period.

Shipments of linseed meal, in pounds, were as follows:—

	1946-47	1945-46
This week.....	7,800,000	11,340,000
Since Sept. 1.....	101,960,000	135,660,000

Peaunt — Lack of demand has created weaker tone. Offerings of 45 percent meal at $80 per ton, f.o.b. Southwest were fairly liberal with no takers.

Waxes

Beeswax — Higher prices for shipment of African crude strengthened on spot market and quotations were increased 2c. per pound. Other grades were steadier and unchanged. Demand was fair and mainly for prompt needs. African crude was quoted at 56c. to 57c. per pound as to quantity.

Candelilla — Supplies on spot were materially reduced and prices were firmer. Crude was held at 78c. to 79c. per pound and refined at 82c. to 84c. per pound, spot.

Carnauba—As a result of the advance in the Brazilian market, prices on the spot reflected the higher cost of replacements and were increased from 5c. to 10c. per pound as to grade. Trading was mostly confined for shipment. Supplies here were scanty having been practically cleaned up. Chalky, No. 3, was quoted at $1.55 to $1.60 per pound; North country, No. 2, $1.70 to $1.75; North country, No. 3, $1.65 to $1.70; refined, $1.75 to $1.80; yellow, No. 1, $1.95 to $2. and yellow, No. 2, $1.93 to $1.98. on the spot.

Montan — Trading was reported quiet, spot stocks were quoted at 51c. to 52c. per pound.

Ouricury — Higher prices for carnauba created a firmer tone in this market. Prices were slightly higher. Crude was quoted at 85c. to 87c. and refined at 95c. to $1.00 per pound, spot delivery.

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1—Buffalo Vacuum Shelf Dryer, with 14 60"x80" shelves.
1—Lab. Devine Vacuum Shelf Dryer, with condenser.
4—Rotary Vacuum Dryers, 1½'x 3½', 30"x8', 4'x10', 5'x33'.
2—Rotary Steam Tube Dryers, 6'x27'6", 6'x25'.
3—Buflovak Vacuum Drum Dryers, 24"x20", 48"x40", 5'x6'.
8—Rotary Dryers, 6'x18', 4½'x35', 6'x35', 5½'x40', 7½'x65', 10'x90'
1—7½'x130' Rotary Kiln.

JUST PURCHASED!

2—Lehmann 5 Roll Roller Mills, 20"x48".
2—32" C.I. Plate & Frame Filter Presses, 36 Chambers.
4—42" C.I. Plate & Frame Filter Presses, 44 Chambers.
6—30"x30" C.I. Recessed Filter Presses, 36 Chambers.
1—Swenson 4x5' Rotary Continuous Filter.
1—Lehman 4 Roll High Speed Mill, 13"x32".
1—Colton No. 2 Combination Filler, Closer & Crimper.
3—No. 10 Sweetland Filters.
2—Alsop Sealed Disc Filters.
9—Gyro Sifters, 20"x48".
10—1000 and 2000-lb. Powder Mixers, NEW.
6—Readco and Baker Perkins 100 gal. Jacketed, Heavy Duty, Double-Arm Mixers.
7—Durlron & Lead Centrifugal Pumps, 1" to 3".

2—100 gal. Pebble Mills, rubber lined.
1—Abbe 10 Jar Mill, motor driven.
1—Schutz O'Neill 16" Ball Bearing Style "D" Limited Mill.
1—Hardinge Ball Mill, 2'x8".
1—Williams No. 1 Hammer Mill
1—Day 18" Ointment Mill.
3—Abbe Blutergess Sifters.

1—Swenson 4'x5' Rotary Filter.
1—No. 150 Kelly Pressure Filter.
2—Vallez Filters, Lab. & No. 49.
2—American 4' 4 Disc and 6' 2 Disc Rotary Continuous Filters.
6—Oliver 8'x6' Rotary Hopper Dewaterers, New.
2—Oliver Filters, 8'x12'.
6—Shriver, Sperry Filter Presses. 12", 18", 24", 30", 32", 36".
3—Shriver Wood Filter Press Skeletons, 18" to 42".

4—Sharples No. 6 Centrifuges.
2—De Laval No. 600, 700 Clarifiers.
1—American Tool 40" Centrifugal, direct Motor driven, perforated basket, 1200 RPM.
5—Tolhurst 32", 40", 48" Self-Balancing Type Centrifugals.

11—Stainless Steel Jacketed Kettles, 60, 80, 100, 150, 300 gal. New.
10—Brand New Stainless Steel Tanks, 100, 200, 300, 500 gal.
6—Pfaudler Jktd. Agtd. Kettles. 100, 125, 200 gal.
2—60 and 125 gal. Alum. Jktd. Kettles.
10—Copper Jktd. Kettles, 25 to 150 gal. some agitated.
8—Steel Jktd. Kettles, 375 to 1,200 gal., some agitated.
1—60 gal. Cast Semi-Steel Autoclave, agitated, 5" wall.
1—Zaremba Copper Evaporator, 500 sq. ft. vert. tubes.
1—Copper and Steel Vacuum Pans, 2', 4', 6', 7'.
5—Evaporators, single to quadruple effect, 500 to 10,000 sq. ft.

TABLET MACHINES

6—Stokes "T." 1¼".
8—Stokes "R." 2½".
1—Stokes Rotary DD82, 1 7/16".
10—Stokes Rotary D4, 31/32".
3—Colton Rotary, ¾".
1—Mulford Single Punch, 1¼".
6—Stokes "F." ¾".
5—Colton Single Punch, ⅝".
All the above practically new, ready for prompt shipment.

1—Day 600 lb. Powder Mixer.
1—Day No. 10 Imperial Double Arm Jacketed Mixer.
5—Day, W. & P. Readco Double Arm Mixers, ½ to 100 gal.
1—Readco 4 gal. Stainless Steel, Double-Arm Mixer.

3—Stokes and Smith auger type powder fillers.
1—Colton No. 2 Combination Filler, Closer & Crimper.
2—Burt Automatic Can Labelers.
1—Filler Machine 4 Spout Filler.
1—Karl Kiefer Visco Piston Type Filler, motor driven.
5—World, National Labelers.
10—12" Belt Conveyors, 20 to 50 centers, built to specifications.
7—Bucket Elevators, from 12' to 50' high, steel housing.
1—Schaeffer Poidometer, 20"x4'.

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DESIRABLE

1—National Pkging 12 pocket filler complete with bucket elevator and to and fro conveyors.
2—Jones Pkging Machines from ½ oz. to 8 oz.
1—Gedge Gray 400 lb. sifter and mixer complete with motor and reducer.
1—Stainless steel homogenizer with motor.
3—Karl Kiefer 18 spout rotary fillers.
5—Karl Kiefer and U. S. Bottle Rinsers.

10 NEW VACUUM FILLERS.
5 NEW 1000 LB. MIXERS.
10 NEW NO. 20 HAMMER-MILLS.
20 NEW S.S. TANKS AND KETTLES, 30 TO 200 GALS.
10 S.S. SYPHON FILLERS.

1—Kramer automatic capper.
2—M & S 4 and 6 pocket fillers.
2—Abbe jar mills 2 and 4 jars.
1—Marcy pebble mill—3x4'.
1—Blaw Knox 125 gallon jktd. and agitated autoclave.
3—Devine - Pfaudler - Burkhardt vacuum stills 50-250 gallon.
2—Stokes vacuum pumps 225 CFM.
1—Read double arm jktd. mixer 77 gal.
2—Charlotte S.S. Colloid Mills—30 and 50 hp.

Send for Our Latest Bulletin No. 1046

Chemical & Process Machinery Corp.
146-8 Grand Street New York 13, N.Y.
Tel WOrth 4-8130

11—Sharples No. 5A Stainless Oil Purifiers, latest type, 2 H.P., Motor Driven.
2—Stokes RD4 Rotary Tablet Machines, 16 die openings 1 3/16" dia.

2—Batteries (6 & 9) Tolhurst 40" Suspended Type Centrifugals, Motor Driven, Bottom Discharge.
1—Chrystie 80'x45' Rot. Dryer.
3—Oliver Rotary Vac. Filters, 8'x 10' and 5'x6'.
1—Raymond 3 Roller High Side Mill, complete, 65 H.P. motor.
2—Dorr 15' Bowl Classifiers.
1—Hardinge 3'x8" Conical Ball Mill.
1—Gayco 3' Centrif Air Separator.
1—Sturtevant 36" Rock Emery Mill.
1—W. & P. 9 gal. Double Arm Mixer, 2 H.P. motor.
1—Sharples No. 6 Centrifuge, 2 H.P.
4—Pfaudler Glass Lined Jack. Agitated Kettles, 250 & 400 gals.
10—Stainless Steel Jack. Kettles, new & used, 40, 60, 80 & 375 gals., some agitated.
4—Aluminum Jack. Kettles, 60, 80 & 100 gals.
1—Hammer Mill, 7½ H.P.
1—Colton Hand Tube or Jar Filler.
1—Jeffrey No. 4 Single Deck Conveyor Screen.
25—New stainless Steel Tanks, 100 to 1,000 gals.
2—6 spt. gravity Bottle Fillers.
New Water Stills, Gas and Elec.
New 40 gal. Pony Mixers.
300-ft. Ball Bearing Roller Conveyor, 12" wide.
12—Filter Presses, Iron, Wood and Rubber, 18" to 42" sq.
4—Centrifugals, 20", 26" & 40".
5—0000 and No. 0 Raymond Mills.
1—Bonnot 27" dia. Iron Filter Press.
10—Closed Steel Vac. Kettles & Stills, up to 1,000 gals.
12—Vert. Jack. Agit. Kettles & Autoclaves to 1,500 gals.
2—250 & 1,500 gal. lead lined kettles.
1—250 gal. copper jack. vac. Still & Receiver.
1—Pfaudler 350 gal. Jack. Agit. Steel Kettle. Copper Lined.
1—700 gal. steel copper lined vac. Filter Tank
18—Copper Jacketed Kettles, 2, 20, 50, 75, 100, 250 & 350 gals., some agitated.
1—Dopp 50 gal. Jacketed Kettle.
15—50 gal Steel mixing Tanks.
1—Blystone 2,000 lb. horiz. Spiral & Paddles Steel Mixer.
6—Horizontal Mixers, 20 to 250 gals., Single & Double Arm.
1—Paget 150 gal Spiral Mixer.
2—Devine Horiz. Vac. Pumps. 8"x6"x4"x6".
2—Worthington 12"x12"x12" Vac. Pumps.
1—National Acme Model C20 stainless Steel Centrifuge.
2—De Laval Multiple Clarifiers, 300 & 301.
2—Rotary Screens, 18"x72".
6—Attrition Mills & Disc Grinders up to 22".
1—Double Stand Steel 4-Roller Mill, 7"x20".
10—Iron Mills, 12", 14" & 18".
8—Stone Mills, 8" to 32".
6—Lead & Paste Mixers to 72 gals
2—Varnish Kettles, 200 gals.
35—Steel & Wood Tanks, up to 4,000 gals.
1—Schutz-O'Neal 20" Pulverizer.
2—Double Roll Crushers.
1—Williams No. 3 "Regular" type Hammer Mill.
10—Electric Agitators, ¼ to 2 H.P.
20—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, up to 10 H.P.

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Lever Bros. Honors Veteran Employees

Thirty-eight members of the staff of Lever Brothers Company, Cambridge, Mass., who have been with the organization for twenty-five years, plus nearly 800 who have completed their fifteenth year of employment, were the principal guests at dinners held simultaneously in Boston, Chicago, Baltimore and St. Louis on November 25.

Those entering the Lever Quarter Century Club were presented with gold, diamond-studded emblem pins and $100 U. S. Savings Bonds, and members of the fifteen-year group received gold watches.

Guests at the Lever dinners were linked together via radio when a portion of the talk which Charles Luckman, president, made at the dinner in Boston for employees of the Cambridge plant was broadcast between acts of the "Lux Radio Theatre" presentation that evening.

GUARANTEED

4—STOKES "D" 4 Rotary Tablet Machines.
5—COLTON 2B Single Punch Tablet Machines.
1—SPERRY C. I. Filter Press, O.D. 24"x24", 44 plates.
1—SHRIVER 18" Wd. Plate & Frame Filter Press.
1—SPERRY 36" Wd. Plate & Frame Filter Press.
1—BUFFALO Foundry Bronze Drum Dryer, 24"x20".
1—3-Roll Mill, 10"x40", W.C.
4—ORVILLE SIMPSON "Rotex" No. 8 Sifters, 40"x60", Double Screen.
1—Vacuum Pan, copper jack., 150 gal., 32" dia., Bronze Agitator.
6—Copper Coating Pans, 38", 30", 24" dia.
1—PERFECTUM AMPFIL — Ampule Filler, VS126, SS.
1—K'EFER No. 3 Rotary Gear Visco Filler.
1—DE LEVAL No. 600 Centrifuge, M.D.
30—New S.S. Tanks 60, 100 & 200 gals.
25—Jack. Kettles, Alum., G.L. S.S., 20 to 400 gals.

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W. & P., Day' Cincinnatus and Imperial Type Mixers; Hottmar Paragon, Read, Single and Double Arm from 2 gallons to 300 gallons.
Elgin 24 spout Rotary Vacuum Filling Machine.
Gayco 8 ft. Air Separator.
Schutz O'Neill, Jay Bee, Williams, Gruendler, etc., Pulverizers.
J. H. Day and Kent, Three Roll, 12" x 30", 16" x 40" Mills, motor driven with motor.
Mullers or Chasers 2 ft. to 6 ft. sizes.
Ermold and World Semi-Automatic Labeling Machines.
U. S. Bottlers C-10 and A-6 Acme Fillers.
Copper Steam Jacketed Kettles with and without Agitators.
Read, and Century Vertical Mixers, M.D.
Johnson and Oliver Sweetland Filter Presses.
Copper Stills and Vacuum Pans.
Huhn Rotary Continuous Dryers.
Schutz O'Neill Rotex and Allis-Chalmers Lowhead Sifters.
Package Machinery Co., Johnson, Miller, all types of Wrapping, Packaging and Cartoning Equipment. (Please submit Samples of your item with Your Inquiry.)

ALL OFFERINGS SUBJECT TO PR'OR SALE. WRITE OR WIRE COLLECT FOR DETAILS AND PRICES. SEND FOR LATEST CIRCULAR!

Union Standard Equipment Co.
318-322 Lafayette Street
New York 12, N. Y.

1—No. 0000 Raymond Pulverizer, with 10 h. p. motor—Mechanical air separator with 2 h. p. motor—Cyclone Collector — Tubular Dust Collector—Necessary ducts and supporting structural steel—Current 220 volt—3 phase—60 cycle.

1—Stokes & Smith single unit gross weight scale with auger and funnel.

1—CECO Adjustable Carton Glue Sealing Machine. In excellent condition.

EMSCO EQUIPMENT COMPANY
EMIL A. SCHROTH, Owner
41 HYATT AVE., NEWARK 5, N. J.
Phone: Mitchell 2-3536

FOR SALE

5—Stain. Steel Kettles: 40, 50, 60 gal.
2—Tolhurst Centrifugals, 40" and 26".
1—No. 10 Day Imperial Mixer.
5—(New) 250 gal. closed Aluminum Tanks.
1—Kinney rotary Pump 2½x3", 10 hp.
2—Peekomatic Powder Fillers and Scalers.
2—Day auger Powder Fillers.
2—Powder Mixers: 2,000 lbs. and 3,000 lbs.
1—Broughton 16 cu. ft. Mixer.
1—U. S. 10-spout hand rubber Filler.
1—No. 600 De Laval Clarifier.
1—Elmes 3-piston Hydraulic pump, 5 hp.
1—Austin-Western No. 3 Gyratory Crusher.
4—Water Stills: 10 and 25 G.P.H.
1—300 gal. Jac. aq. Glass-lined Tank.
2—20" Attrition Mills, 15 hp. motors.
1—Revolvator elec. Hoist, 800 lbs., 16' lift.

What equipment have you for sale?
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4—Pfaudler Stainless Steel Tanks, 132"x223", steel jacketed for hot or cold water, 13,500 gallons capacity.

1—Stainless Steel Jacketed Kettle, 5'x7'.
1—Stainless Steel Kettle, 55 gallons.
1—Stainless Steel Storage Tank, 3,800 gallons.
1—Pfaudler Glass-lined Storage Tank, 2,000 gallons.
13—Sharples Super Pressurite Centrifuges.
5—Shriver & Sperry Filter Presses, 24" to 36".
1—2-Roll Rubber Mill, 16"x48", complete with 75 hp motor and reducer.
1—Readco Heavy Duty Jacketed Mixer, 100 gallons, sigma blades.

R. GELB & SONS, INC.
UNION, N. J.
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FOR SALE

Stainless Steel Tanks, new, 100 and 200 gal., dished bottoms with stands.
9—New Stainless Steel Jacketed Kettles, 30 and 40 gals. capacity; 2 100 gal.
1—Stedman 40" Cage Disintegrator.
Stainless Steel Vert. Tank, 7' dia. x 10', No. 430 Chrome.
New Elec. Immersion Heaters, stainless, 500 watt, 115 volt, $15.00 each.
Copper Tank with Agitator and Coil, 60" dia. x 7' high.
1—International Centrifuge, size 3, type FS, stainless steel with motor.
1—DeLaval Lab. Separator with ½ H.P. motor.
1—18 spout Karl Kiefer Rotary Filler.
10—New Sharples Oil Purifiers.
6—DeLaval Imo Pumps, 2" suc., 2" disch. (new).
6—Stokes Rotary Tablet Machines. Model RD-4.
6—New Clevon Can Filling Machines.

SPECIAL
10—Steel Storage Tanks, 24' dia. x 20' high, with closed tops

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Established Cincinnati firm would be interested in representing producers of raw materials used in the paint, ink, rubber, soap and other industries in southern Ohio territory. OPD 249.

Good territory open for agents on liberal commission basis by an old established firm of importers of industrial minerals and earth colors. For full particulars write to Charles B. Chrystal Company, Inc., 53 Park place, New York 7.

FACILITIES OFFERED

Wide variety of liquid mixtures recovered at nominal cost for drum and tank car lots. We handle simple and difficultly-separable mixtures. We are also interested in purchase of all types of crude mixtures. Inquiries solicited. All replies treated in strictest confidence. OPD 263.

FOR SALE

1-Farrel 2 roll mill, 16 in. by 48 in. complete, 50 HP motor, $6,500; 1-Barber asphalt mixer, 500 gal., hydraulic bottom opening, 3 mixing shafts with paddles, $500. Jersey Plastic Corp., Hamburg, N. J., Tel. Franklin Boro 4741.

MANUFACTURER WANTED

Chemical products distributor will consider financial investment in chemical manufacturing company operating below capacity due to shortage of raw materials or capital. Reply to OPD 241.

MATERIALS OFFERED

Glycerine—we offer as trade refined glycerine for pure titanium dioxide. Can also offer formaldehyde, maleic anhydride, tall oil, hard maleic resin, and alkyds of known brands in exchange for white hiding pigments. Wire or mail your name, attention of the president, this box number, and we will contact you by telephone. OPD 256.

For sale: 500,000 pounds of sweet German rapeseed. Will sell the lot or any part thereof. Write direct to Joseph Caplan, Weldon, Saskatchewan, Canada.

Canadian fir oil—we have secured the 1947 production of another producer. This is an oil of high quality offered at an attractive price to firms wishing to contract for a year on monthly deliveries of one to ten 400-pounds drums. Canada Distribution Co., P.O. Box 1093, Place d'Armes, Montreal, Canada.

MATERIALS WANTED

Do not wait until conditions further limit prospects of disposing of top-heavy inventories. Will purchase surplus unspecified commodities, all kinds. Particularly interested in gums, waxes, spices, botanicals, oils greases, pharmaceuticals, chemicals. OPD 265.

Wanted in any quantities by manufacturer: ortho-toluene, sulfonyl chloride, meta-cresol and 1, 3, 5-xylenol. Please state purity **and rate of** deliveries. OPD 261.

POSITIONS VACANT

Long established business requires services of a man with technical knowledge, sales and order experience in commercial waxes. State age, experience and salary expected. OPD 254.

Wanted: chemist formulator for research and development work on industrial enamels for modern, progressive midwest manufacturing company. Some service work. Write, giving qualifications, education and experience to OPD 267.

POSITIONS VACANT

Wanted: experienced scientifically educated assistant superintendent for large soya bean oil mill. Salary, $4,500 per year to begin with; steady increases to be made if services warrant. Candidate must be of good character, energetic and well trained in expeller operations. Wire application and confirm by special delivery letter. OPD 259.

Purchasing agent assistant experienced chemicals, containers, for large industrial manufacturer. Excellent opportunity. State age, training, experience and salary desired. Box 477, Suite 617, 1697 Broadway, New York City.

Resin, paint and varnish chemist—Rapidly expanding New Jersey synthetic resin manufacturer has opening for 1—an experienced paint and industrial enamel formulator, man of wide experience preferred; 2—chemist experienced in formulating and development of all types of synthetic resins; 3—recent graduate of recognized paint and varnish technological school, no previous experience required. Replies held confidential, should include personal information, experience, education and small photo if possible. Our employees have been advised of this ad. OPD 265.

Synthetic resin manufacturer organizing own sales force needs two experienced technical synthetic resin men to contact paint and varnish manufacturers in New York and New Jersey area. Salary, expenses and commissions. Replies held confidential, should include education and previous experience. OPD 266.

POSITIONS WANTED

Employers: call us for trained and experienced personnel for research, development, production and technical sales work. Chemical Department, Position Securing Bureau, Inc. (Agency) 45 John street, New York City. Telephone COrtlandt 7-9650. Confidential and careful placements.

Organic chemist, expert in the development of synthetic chemicals used in the textile industry, such as emulsifiers, durable waterproofing, softeners, etc. Address OPD 260.

Technical sales representative—graduate chemist. Extensive production, development and technical sales experience in organic pigments — toner and lake colors. Desires sale position in territory traveled. New England and Middle Atlantic states. Address OPD 262.

SERVICES OFFERED

New and modern equipment for quantity tube filling, also powder and liquids; the production of all types of tablets, expert coating. Two research laboratories to handle all phases of chemical and biological assays, testing of materials, etc. Contract work a specialty. Lanteen Medical Laboratories, Inc., 900 N. Franklin street, Chicago 10, Ill.

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4—4" x 4" Frick Ammonia Compressors, 2 cylinder, vertical, single acting, type-G, complete with V-Belt drive, 10 H.P. 220/440 volt, 3 phase, 60 cycle, 1745 RPM motor.

All New 1942.

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5—Type 10DZ	2—Type 20DZ
4—Type 10WDL	2—Type 23DZ
3—Type 15DZ	3—Type 25DPL

All made of type B55 metal.

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10—Vertical warming tanks, jacketed, 10' dia. x 11' high x ¼" plate. Bolted dished head, 3½" flange around top, complete with 2 blade agitators, Philadelphia gear reducer and 5 H.P. motor, 3 phase, 60 cycle, 220 volt.

4—24' dia. x 20' high x ⅝" steel Horton vertical tanks. Riveted construction in three sections.

8—Mixing tanks, 10' dia. x 10'6" high, welded 3/8" plate, complete with 3 H.P. lightning mixers, mounted on top.

AGITATORS

12—New Patterson Agitators, 1 H.P., 3 phase, 60 cycle, 1200 RPM motor, complete with 60" type 316 stainless steel shafts and gear reducers, 400 RPM output.

WATER STORAGE TOWER

1—100,000 gallon water tank mounted on 125' structural steel frame, complete with stand pipe and ladders.

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Bauxite Processing Tests Described

OPD Washington Bureau

Recent laboratory and pilot plant investigations by the Bureau of Mines in the processing of representative bauxite samples from Saline and Pulaski counties, Ark., have demonstrated that commercially acceptable concentrates can be obtained from these low-grade materials, according to a publication released by Dr. R. R. Sayers, bureau director.

The authors of the publication point out that the studies reported in the current publication were undertaken as a part of an intensive Federal research program aimed at increasing the utilization of off-grade Arkansas bauxite in domestic aluminum production. As a result of these experiments, a fifty-ton demonstration plant was constructed by the bureau at Bauxite, Ark., to continue the investigation on a semi-commercial scale.

In the course of the experiments described, ten specimens of typical bauxite from Pulaski and Saline counties which had been stockpiled at the site of the bureau's new pilot plant were selected for preliminary testing at the Rolla, Mo., laboratory and gravity-flotation plant. All samples were subjected to a variety of metallurgical treatments, including tabling and flotation, and magnetic separation tests. A flow sheet and a description of the testing procedures employed are presented.

Stating that the bauxite concentrates produced during the experiments were not always obtained with high extraction, the publication also reveals that comparison of the results of continuous testing of a composite sample of the ten stockpiles with weighted average results of laboratory testing of the individual stockpiled materials indicates that "somewhat better results may be obtained by continuous testing."

A copy of the publication, Report of Investigation 3909, "Concentration of Bauxite for Milling in the 50-ton Bureau of Mines Pilot Plant, Bauxite, Ark.," may be obtained by writing to the Bureau of Mines, Department of the Interior, Washington 25, D. C.

Los Angeles Paint Club Hears Dried Films Report

The Los Angeles Paint and Varnish Production Club, at its November meeting, heard Professor L. Reed Brantly, chairman of the technical sub-committee on "Methods of Measuring Adhesion of Dried Films," give the final report of the year's investigation.

Dr. Joseph Shrawder, E. I. du Pont de Nemours & Co., Wilmington, Del., spoke on "The Effect of Pigment Variation in Flat and Semi-Gloss Finishes."

Pitts. Production Club Plans Dec. 19 Xmas Party

Plans for the Christmas party of the Pittsburgh Paint and Varnish Production Club, which will be held December 19, were discussed at the November meeting in the Penn-Lincoln hotel, Wilkinsburg, Pa. Principal speaker during the technical portion of the meeting was William Barrett, Reichhold Chemical Company, Detroit, who spoke on "Industrial Primer-Surfaces."

Hercules Lacquer Trainees Graduate

The Hercules Powder Company, Wilmington, Del., recently graduated twenty-four students from its 1946 lacquer training school. Representatives of nine States, Canada, and Sweden were included in the group sent by their employers to study formulations and applications under the guidance of Hercules specialists.

Professional Services

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(For further details see listings in OPD Green Book.)

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